

FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

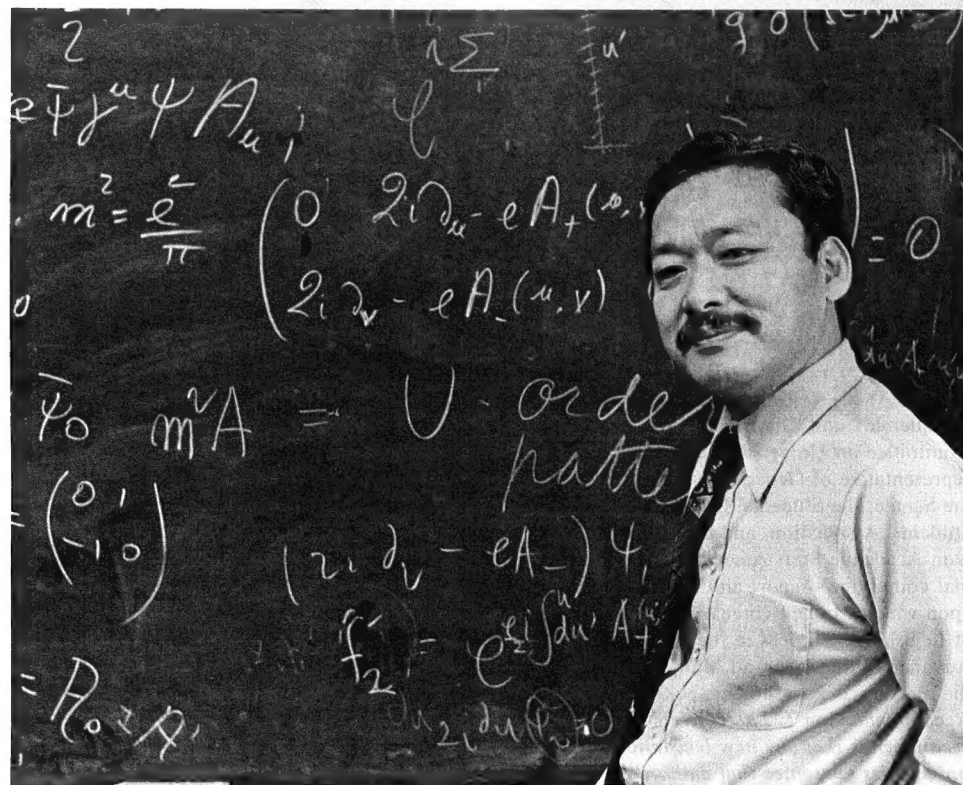
OCTOBER 30, 1975

HIROOMI UMEZAWA

This year the University's Killam Professor of Physics is an internationally renowned specialist in quantum field theory, Hiroomi Umezawa. Dr. Umezawa has been a Distinguished Professor at the University of Wisconsin-Milwaukee from 1967 to the present. He has also held posts at the University of Nagoya, the University of Tokyo, and the Institute of Theoretical Physics at the University of Napoli, Italy. He is also a Fellow of the American Physical Society. Professor Umezawa is the author of about 150 research papers and four books, one of which, *Quantum Field Theory*, written when he was 28, is an authoritative textbook of the subject.

Quantum field theory is the application of the principles of quantum mechanics to systems which contain large numbers of elements (for example, metals, which contain huge numbers of molecules and electrons, etc.) and which obey the laws of quantum mechanics. When asked for a definite answer about the area of study he is working in, Dr. Umezawa replies that he is studying high energy particle physics, a highly speculative, frontier area of contemporary physics. This is such a new area of study, in fact, that physicists are not quite sure what kind of particles these high energy particles are. Dr. Umezawa is quick to point out, however, that he is a specialist only insofar as his method of approach is concerned—in the application of the methods of quantum field theory, he ranges over an astoundingly wide variety of fields and subjects.

Professor Umezawa is interested more generally in discovering the basic principles which underlie "ordered states." He uses quantum field theory to attempt to explain why systems containing large numbers of elements behave as they do: that is, why they exhibit the various kinds of orders and patterns they do. He uses crystal as a model explanation of his investigations. Crystal, of course, has a highly ordered structure. Crystals can be formed when liquids are cooled, and liquids in turn are created when gases are cooled. As Dr. Umezawa points out, there is little or no discernible order in either gases or liquids. The interesting question therefore becomes: when does the order of the crystal appear and where does that order and pattern come from? Professor Umezawa believes that quantum field theory can be used to explain



Richard Kerr

the interrelationships of the elements present in the crystal and to explain the ways in which energy is used and distributed in the exchange of information between the composing elements of the substance in the process of the formation of order. This sort of enquiry has a great number of implications for other systems and at levels other than high energy particles, as well as implications for the study of energy use and information exchange in various kinds of systems in general. If one thinks of the cosmos beginning as a vast collection of gas, there is an analogy with the development of the crystal: when did the order of the universe appear and where did it come from? Quantum field theory provides interesting speculations upon such a question.

There are many other areas in which Dr. Umezawa's method is useful. For example, when he was in Naples, he was leader of a group studying the structure of matter, and at the same time he worked with a group of biologists and cyberneticists which was studying the nature and function of the

human brain. The brain, of course, is a huge system wherein there is an extremely complex ordering of the elements and extremely complex patterns of information flow which keep the ordered state operating. The brain, Dr. Umezawa believes, cannot be understood by simply looking at isolated units of it; it must be understood as a whole system, a field of interacting and ordered (and ordering) parts. Quantum field theory method lends itself to just this sort of examination insofar as it is designed to treat whole systems as they operate as systems.

Dr. Umezawa is very much aware of the highly speculative nature of much of his work and of the great role played by intuition and imagination in solving many problems he is confronted with. He is also aware, however, of the need for some sort of check on his speculations to make sure that he is staying on the right track in his investigations. One way of controlling speculation and making sure that the theories and hunches he has are correct is, of course, the devising of some sorts of

experiments and predictions which can help to verify theories. Another way, though, is collaboration. Professor Umezawa's research group which he led at Naples is still working and that group collaborates with a similar group he initiated at Wisconsin. Dr. Umezawa has begun meeting regularly with a group here at the University composed of biologists and a linguist. All three groups, then, may exchange ideas and theories and findings. If these groups show the same sort of energy and enthusiasm for their work as Professor Umezawa himself shows, the collaboration cannot help but have interesting and significant results.

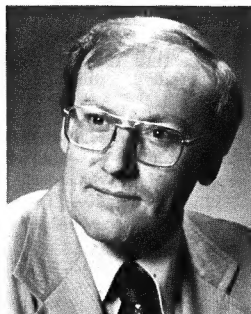
GENERAL FACULTIES COUNCIL SPECIAL MEETING: THE DRAFT ADULT EDUCATION ACT

A special meeting of General Faculties Council was held on Wednesday, October 22, to consider the Draft Adult Education Act.

W.F. Allen, Associate Vice-President (Academic) and Chairman of the Board Committee on University Legislation (jointly representative of General Faculties Council, the Senate, the Students' Union, the Graduate Students' Association, and the Academic and Non-Academic Staff Associations) presented that committee's report and recommendations, upon which Council voted. R. Karoles, Director of Legislative Services in the Department of Advanced Education and Manpower, attended the meeting as government spokesman.

Recommendation 1. The University of Alberta recommends that any new legislation respecting universities guarantee that authority for academic standards continue to reside in autonomous institutions.

The Committee's concern in this area arose from the proposed Council on Admissions and



APPOINTMENTS

Frederick A. Laux has been appointed Acting Dean of the Faculty of Law for the 1975-76 academic year. Mr. Laux received a BA in 1963 and a LLB in 1964 from this University and his LLM degree from Harvard University in 1968. He practised law in Edmonton from 1964 to 1968 and has been on the Faculty of Law since 1968.



H.J.L. Irwin has been appointed Associate Dean of Law. Mr. Irwin received a BA in 1963 and a LLB in 1964 from this University. He practised law in Edmonton from 1964 until he was appointed to a full-time position in the Faculty of Law in January 1975.

Transfer which would be ministerially appointed and which would act as final arbitrator in disputes between members of the adult education system arising over questions of admissions and transfer. The Committee contended that, with the ultimate authority in academic matters residing in such a council, "universities and colleges become subject to political decision making, not to academic decision making. Autonomous institutions lose their ultimate authority, but no critical academic structure is given that authority: authority vests in political agencies."

Mr. Karoles said that he saw the Council on Admissions and Transfer as the "buffer" requested by the Board of Governors in its submission of January 1975. (The Board submission had recommended a "statutory advisory council on universities, to be composed of members named in equal numbers by the Lieutenant-Governor-in-Council and the universities.) He affirmed that academic decisions must reside within the institutions, but that admissions and transfer was a peculiar area and that the Council on Admissions and Transfer should have the capacity to resolve disputes between institutions that the institutions have not been able to resolve themselves.

Council approved the recommendation.
Recommendation 2. The University of Alberta reiterates its support for legislation which would provide for coordination among the universities, through a Universities Council, advisory to the Minister, as described in its previous submission.

Dr. Allen said that the intent of this recommendation was that the present advisory body be replaced by a clearly defined Universities Council whose decisions would be public, not informal or in camera. He mentioned the problem that there was no communication back from the present advisory committee and that the University had no idea whether its input was used or ignored.

The recommendation was approved by Council.

Recommendation 3. The University of Alberta recommends that individual universities be incorporated by way of separate acts of legislature, such as acts to be tailored specifically to the needs of the individual institutions.

Earlier discussion had pointed out the problems of having an omnibus act which dealt with the internal governance of institutions. It was suggested by several members of Council that an omnibus act include *only* those items which apply to *all* institutions, and that the detailed workings of particular institutions be dealt with in separate acts or charters.

The recommendation was approved by Council.

Recommendation 4. The University of Alberta recommends that student affairs be dealt with in future legislation in the same manner as such matters are currently dealt with at this institution.

Under the draft act, student discipline is considered a matter of contract between individual students and the University, with

FOLIO

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ultimate enforcement in the courts. This, Dr. Allen stated, is both unfair to and inadequate for the student. Under the present Universities Act student discipline is under the control of General Faculties Council, and students have the chance to participate in the setting of standards of discipline. They would have no such opportunity for input under the proposed act.

Graeme Leadbeater, President of the Students' Union, said that students would prefer a contract system; he observed that the draft act included a system of expulsion for academic offenses: other offenses, he said, should be left to the law of the land.

On the other hand, another student member, Jack Gorton, President of the Graduate Students' Association, expressed his support of the recommendation, stating that it was in the best interest of the student to have the discipline system set by General Faculties Council.

Council approved the recommendation.

Recommendation 5. The Committee recommends that future legislation on staff affairs in universities be permissive in nature, requiring that associations representing three groups of employees (academic staff, non-academic staff, and graduate assistants) be recognized where such recognition is sought by the majority of members in the group.

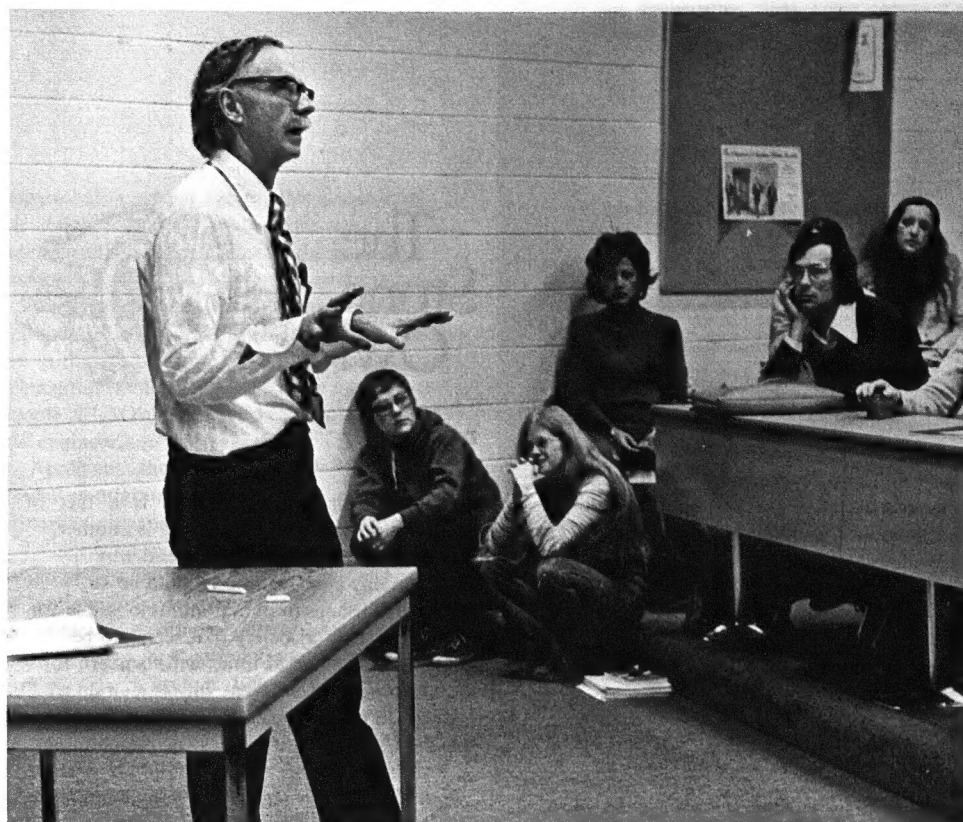
The Committee found the draft act too prescriptive and limiting in its treatment of the academic and non-academic staff associations, while ignoring such employees as graduate assistants and those officers who might be excluded as academic staff as a result of arbitration.

George Ford, Dean of Engineering, noted that there was no provision for opting out of the staff association for purposes of negotiation, and no provision for recognizing other associations as representing particular groups. Other members of professional faculties echoed his concern. Dean Ford moved an amendment to the recommendation, limiting it to "the Committee recommends that future legislation on staff affairs in universities be permissive in nature." The amendment was defeated.

Council went on to vote approval for the original recommendation.

Recommendation 6. The University of Alberta requests that there be a second draft prepared and submitted for response.

Throughout the meeting and in an informal document distributed to Council members, Mr. Karoles indicated the government's willingness to entertain various changes to the draft act, from minor rewording of certain clauses to possible deletion of such sections as 5 and 6 (Duties and Powers of the Minister) and 18 (The Council on Professions and Occupations). This final recommendation asked that a second draft act be prepared and circulated incor-



James Reaney, author of the Donnelly trilogy, discusses his plays with students and staff.

porating the many changes requested and/or agreed upon.

Council approved this recommendation unanimously.

The Committee will present its report to a special meeting of the Board of Governors on November 14.

THE DONNELLYS PRESENTED BY JAMES REANEY

In complement to the NDWT Company's production of the Donnelly trilogy, *Sticks and Stones*, *The St. Nicholas Hotel*, and *Handcuffs*, James Reaney was available to staff and students last Friday. Mr. Reaney, poet and playwright, discussed his interest in the Donnellys and the plays resulting from this interest which began in 1946. A *Globe and Mail* of that year published an article regarding a paper presented by a woman on the Donnellys as vigilantes. A man in the audience hotly refuted the paper, and from that point James Reaney became obsessed with trying to find out what they were really like.

The Donnellys were an Irish-Catholic family who were brutally murdered in 1880 by forty members of their community. Since that time the family has been portrayed as saints, devils incarnate, or innocents with mistaken political affiliations. Mr. Reaney has rooted his plays in the history which he has undertaken to reconstruct, and, although he admits being pro-Donnelly, his purpose in writing the trilogy is an attempt to explain the many facets of the

Donnellys and the community in which they lived. According to Mr. Reaney, the Donnellys were hated for many reasons which revolved around one central aspect: they behaved like aristocrats in a community which was tribal. With this concept in mind, he has written three plays which examine the complex relationship between the family and the community of Biddulph.

Three members of the cast who played major roles in the production were at the meeting, and they answered questions related to their roles and the manner in which those roles were interpreted. Although each spoke of their attempt to capture the living Donnellys, each credited Mr. Reaney with extending their acting abilities beyond their normal experience.

The plays demand much of an audience, but the manner in which James Reaney works with the cast has made the plays a display of nuance not often found in such a young group as the NDWT Company.

NURSING RESEARCH CONFERENCE

The School of Nursing of the University of Alberta is directing and co-ordinating the 1975 National Conference on Nursing Research to be held November 3 to 5 at the Chateau Lacombe. The theme of the conference is the development and use of indicators in nursing research. The schools of nursing of the Universities of Alberta, Calgary, Saskatchewan, and Manitoba are sponsoring this conference.

Three major speakers will attend the conference: Lisbeth Hockey of the University of Edinburgh, Jack Hayward of the Department of Health and Social Security, London, England, and June Abbey of the University of California. There will also be five major papers presented on such topics as family decision-making capacity of community health nurses and the nursing standards project at the Hospital for Sick Children in Toronto. Smaller papers will also be delivered and there will be numerous discussion sessions. An open lecture on approaches to nursing research will be given on Wednesday, November 5 at 8 p.m. in TL-2 Tory Building.

AGENDA FOR GENERAL FACULTIES COUNCIL MEETING

The following has been received from Margaret Midgley, Secretary to General Faculties Council.

A meeting of General Faculties Council will be held on Monday, November 3 at 2 p.m. in Council Chamber, University Hall.

1. Approval of the Agenda.
2. Approval of the Minutes of September 29, 1975.
3. New G.F.C. members.
4. Question period.
- Regular Reports*
5. The Executive Committee Report:
 - Executive Committee Minutes of September 22, 1975.
 - Executive Committee Minutes of October 6, 1975.
6. The Nominating Committee Report.
- Annual Reports*
7. The G.F.C. University Press Committee: Report for 1974-75.
8. The G.F.C. Committee on Research: Report for 1972-74.
9. The G.F.C. Special Sessions Committee: Report for 1974-75.
- New Business*
10. Faculty of Medicine: New Admission Prerequisites.
11. Selection Committee for Director of School of Library Science: Request for Change in Student Membership.
12. G.F.C. Articulation Committee: Transfer Credit for Grant MacEwan College Courses.
13. Selection Committee for Dean of Interdisciplinary Studies.
14. Appointment of University of Alberta Graduates to Faculty Positions.
15. Faculty of Engineering: a Proposed Quota System.
16. Council on Student Affairs: Proposed Change in Composition.
- For Information*
17. A.U.C.C. Testing Services.

The Stone Owl



DAYCARE: A LUXURY OR A NECESSITY?

Considering that having babies is a fact of life and that working for a living is another, it's sometimes hard to comprehend why adequate day care facilities should be so difficult for some to obtain and impossible for many others. In a society that seems to be almost preoccupied at times with concern for the welfare of its children, why is it often so difficult to convince certain sectors of the need for good and ample facilities for the children of working parents?

Is it adequate to regard day care as no more than a baby-sitting service that permits some mothers the luxury of working? Isn't it more useful to accept day care as what it virtually is, an extension of the educational system? And are subsidies to such services seen only as relieving mothers of their basic duty to provide for the care of their own children? Can they not be thought of as investments facilitating a fuller use of resources thus made available?

There is at present only one generally available day care centre on campus with placements for a maximum of 60 children. Of these, 80 percent are filled by the children of students, ten percent are the children of non-academic staff and ten percent are those of the community at large. When the waiting list for this service exceeded one hundred applications, no more were accepted. This situation, in addition to information surveyed from academic staff, who have no access to existing on-campus facilities, and from non-academic staff, who have little more, indicates that a real interest exists for expanded day care on campus. Significantly, responses were received from working mothers, working fathers, and non-parents alike.

Working mothers are not alone in their capacity to benefit from the availability of day care services on campus. From the point of view of the University, the provision of day care would be one way of attracting clerical staff for whom the outside market competes heavily. With expected salary increases trimmed down by federal legislation, this might be a valuable tool for recruiters. Making day care available to academic women would ensure that valued expertise is not lost as it is now when these women must attend to their children as a full-time occupation. It would mean that academic women would be

able to continue to work through their child-rearing years and to maintain similar levels of years of service to those of males.

From the point of view of students, providing day care facilities, like the provision of scholarships, loans, and other financial assistance, is one way of making the University accessible to more people. In particular, students of early childhood education might find that a day care centre in their proximity could well accommodate the testing and observation needs of their faculty.

From the point of view of equal opportunity, day care would serve to make women better "risks" when being considered for responsible positions and jobs with long term commitments. Changes in the role of women have resulted in the entry of more and more women into the labor market and post-secondary education. At the same time women have retained their primary responsibility for children. The absence of good day care facilities, then, frequently prevents women from pursuing an education, from following academic careers for which they are educated, and from providing their skills in technical and clerical occupations. Day care is one way of equalizing women's opportunities in education and employment.

Perhaps more important than all of these is the point of view which focuses on the welfare of the child. Very often it is precisely those people who are least able to afford such facilities who are in the greatest need of them. If they can't get good day care services or any day care services, they must settle for alternatives which aren't always adequate to the needs of the child.

Unfortunately, not every parent is capable of offering his or her children all that they require in terms of a healthy and stimulating environment. Not all parents can satisfactorily cope with the constant demands of raising young children. In such cases, a child care service could effectively supplement the care and direction given at home. Good day care services can offer children opportunities for stimulation and development that few parents are capable of providing at home—good day care meaning the kind of care that is available in the day care centre at HUB. There the cost alone per child can exceed \$200 a month, child-teacher ratios are nine to one, the environment is nurturing and children are happy.

Such day care centres are not unprecedented in history nor on campuses throughout the country today. During the war these services were freely available to mothers working in assembly plants. It was certainly easy enough to justify them then. As of 1972 eight of thirteen universities provided on-campus day care facilities. There has been continued expansion since then.

The question of providing day care is presently before the Board of Governors for consideration. Groups on campus have formed a joint committee with representatives from the Academic Staff Association, the Non-Academic Staff Association, the Students' Union, the Graduate Students' Association, and the Academic Women's Association. This Committee with the assistance of the HUB day care centre and local social agencies has compiled a report based on surveys taken across campus and recommendations from the Senate Task Force on Women. If you feel that day care facilities are important and that they are everyone's responsibility, contact one of the groups named above and offer your suggestions and support.

CES

CUSO: AN INDEPENDENT DEVELOPMENT AGENCY

Fourteen years ago a handful of volunteers left Canada with assignments for service overseas. The program they were participating in was named CUSO—Canadian Universities Service Overseas. It originated one year earlier, the result of enthusiasm generated by a graduate student upon his return from researching his thesis in Southeast Asia.

Today CUSO has approximately 1,200 volunteers with a vast network of field staff overseas and representatives at universities and colleges across Canada. The University of Alberta CUSO Committee has been operating here since 1961 and has met with continued success in placing local applicants. In the past year 90 candidates were interviewed of which 37 were placed on two-year assignments overseas. A number of others await placement in the near future.

CUSO is now as much a part of the University scene as student loans. Their office in University Hall carries out local recruitment, manages the initial selection process, and sponsors fund raising and public education activities. The national office, on the other hand, processes requests for personnel and channels the requests to the local committees. After the initial screening of applicants, volunteers are chosen by a team of recruiters specializing in education, health, agriculture, and technology-business—the four areas most in demand in the employer countries.

A CUSO information sheet lists these criteria for personnel:

1. Many requests specify the need for single people only, but married couples can usually be placed provided suitable jobs can be found for both husband and wife in the same area. CUSO policy requires both to work whenever possible.
2. Couples with children can sometimes be accepted, but usually only if the children will

remain below school age for the duration of the assignment. Such applications are considered individually in light of the priority assigned to a particular overseas request.

3. There are no age limits so long as the applicant is in good health. While the majority are in the 25 to 30 age group, there are a substantial number of older, more experienced people. CUSO's oldest worker was an 80-year-old engineer.

4. Applicants should be Canadian citizens or landed immigrants intending to take out Canadian citizenship.

CUSO is an independent development agency which retains its independence by raising some of its operating costs from sources other than the federal government's official aid programs. These sources include individuals, church groups, service organizations, Kilometres for Millions, Special Events, business corporations, provincial governments, and a sponsorship program. The salaries of CUSO volunteers are paid by the governments of the countries in which they are placed, insuring that only those personnel who are *needed* are sent to each country. The effectiveness and success of CUSO can be largely attributed to this aspect of the program. Host countries, in collaboration with CUSO field staff, review the function being served there by CUSO volunteers. When the needs of a country no longer justify the continued placement of available CUSO volunteers, those volunteers are sent where the needs are greater.

CUSO personnel recruited by the University committee in 1974-75 and now serving overseas are listed below.

- John Baker received his BSc in Mathematics last April and has been assigned to Ghana where he is teaching secondary school.
- George Belcher, BA in History, and his wife, Helen, MA in Philosophy, are in northern Nigeria where they both teach secondary school.
- Beverly Biggeman, BEd in English, is teaching at a Women's Training College in Abeokuta, Nigeria.
- Brenda Blakey, who received a BA in Economics and Sociology in 1973 and an MBA in 1975, is teaching at the University in Accra, Ghana.
- Gerald (Jay) Bradley, received his BCom in 1972, and Michelle Bradley, his wife, received her Physiotherapy Diploma in 1973. They are working at the Hopeville Centre in Nigeria which is run by the Maorist Brothers. Michelle is the third physiotherapist from Edmonton to work there.
- Lorne Clayton received his BSc in Zoology last spring and has been assigned to teach biology at the Government Secondary School in Koko, Nigeria.
- Ruby Danielson, BEd 1975, will be teaching at Bishop's College in St. Vincent, West Indies.



Rorri McBlane, CUSO volunteer teacher in Papua/New Guinea.

Her daughter, a graduate in Household Economics, is a CUSO volunteer in Zambia.

- Cecile Fausak, who received a BSc with distinction in Mathematics and Computing Science in 1973, has been assigned to work in Dominica beginning in October.
- Karin Holst received her BSc in Household Economics last spring and is teaching domestic science in Papua/New Guinea.
- Alan Jensen, who received his BCom last spring, has been assigned to Papua/New Guinea to work as a district administrative officer in a rural area.
- Duane Kinshella has an assignment teaching at Bauchi Teachers' College in North Eastern State of Nigeria. He received a bachelor's degree in Physical Education last spring.
- James Larkin, BSc in Chemistry, is teaching mathematics at St. Francis Secondary School in Oturop, Nigeria.
- Diane Long is teaching English at Serowe Teachers' Training College in Botswana; she received a BA in 1966 and a teaching certificate in 1967. Her husband, Richard, BEd, is teaching English at the Swaneng Hill School.
- Georgina Michael, MA candidate in Philosophy and her husband Aaron, BEd, will be teaching secondary school in Kano, Nigeria.
- Alan Pollock received his BSc in Forestry last spring and is District Forestry Extension Officer in Papua/New Guinea.
- James Rogers, who received his BSc in Civil Engineering last spring, has begun working for the Department of Irrigation and Drainage in Sarawak.
- Shirley Ross received her BSc in Medical Laboratory Science last spring and has been assigned to work as a laboratory technician in Freetown, Sierra Leone.
- Heather Sabo, BSc in Genetics, is teaching biology at Tusbab High School in Madang on the north coast of Papua/New Guinea.
- Charlotte Shmyr is teaching physical education at the Women's Teacher College in Birnin Kebbi in Nigeria; she received her BPE last spring.
- Dennis Simonin received a BA in 1967 and a teaching certificate in 1969 and is teaching

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Other specifications: half-tones (100-line screen or less) are acceptable; no color or bleeds. Camera-ready copy is preferred; there is a charge of 15c per word for typesetting, and \$5 per line for design of work which is not camera ready. Deadline for submission is one week prior to publication (Thursday, 4 p.m.) for camera-ready copy; 10 days for all other advertising copy. Positioning is at the discretion of the editor.

Contact: Richard Kerr or Esther Fraser, 326 Assiniboia Hall, The University of Alberta; telephone 432-4991.

English as a Second Language in Thailand. He taught English in Ivory Coast from 1970 to 1974 under the auspices of CIDA.

- Irma Strickland, who received her RN in 1967, and her husband, Melvin, who received his BSc in Agriculture in 1968, have been assigned to help with a rapeseed project in Peru.
- Thomas Symington, BA in Political Science and French, received a BEd from Calgary in 1972 and will be teaching French in Sierra Leone.
- Ross Warner is working as a Business Development Officer in Papua/New Guinea; he holds a BSc in Mathematics and an MBA.
- Bruce Yeates has a BA in Political Science and has interrupted his MA program in Community Development to assume the position of Community Development Officer in Port Moresby, Papua/New Guinea. He was a CUSO volunteer in Zambia in 1971-73.
- Nine additional candidates who applied through the University of Alberta although they were not graduates of the University have been placed this summer by CUSO.

CUSO Used Book and Record Sale

The local CUSO committee will make good use of any used books or records you may have sitting on the shelf gathering dust. They are holding a sale Wednesday, November 12 on the main floor of the Central Academic Building next to Cameron Library.

Proceeds from the sale will be used to support CUSO projects. Please bring your donations to 2-5 University Hall by November 5 or call 432-3381 to arrange for a pick-up.

VISITORS

- Right Honourable Lord Elwyn-Jones of London, England, the Lord High Chancellor of Great Britain, visited the Faculty of Law on September 23. He addressed the students on the functions and responsibilities of the Office of the Lord High Chancellor.
- Otto Lang, then Minister of Justice, visited the Faculty of Law on September 23. He participated in a session on "Changes in the Criminal Code" along with Max Wyman, faculty, and students.
- John M. Randall, a research physicist with the Farm Buildings Department of the National Institute of Agricultural Engineering, Silsoe, England, visited the Department of Agricultural Engineering from October 14 to 17. A specialist in low velocity air-flow measurements and instrumentation, Mr. Randall is on an extended study tour of North America sponsored by the Winston Churchill Memorial Trust.

PEOPLE

- A.J.B. Hough, Director of the Student Counselling Service, was elected to Emeritus Membership at the 24th annual Invited Conference of University and Counselling Centre Directors held at Kennebunkport, Maine. It was the second time in the history of the Conference that such an honor has been conveyed and the first time that it has been accorded to a Canadian Director.
- H.P. Harrison, Professor of Agricultural Engineering, is in Cuba during the month of October to participate in a Canadian Technical assistance project to further the education and training of graduate engineers in Cuba. Dr. Harrison is directing a study on the theory of soil-working tools.
- Bruce Bain, Assistant Professor of Educational Psychology, has two new articles in publication, "Verbal regulation of cognitive processes: a replication of Luria's procedures with bilingual and unilingual infants" in *Child Development*, and "Language experience and participative perception: a developmental study" in *Psychologische Forschung*.
- Elsie M. McFarland, professor of Recreation Administration, presented two papers, "The Recreation Explosion (Its relation to people in urban areas)" and "Recreation services in the future," from October 2 to 18 to the Australian Institute of Parks and Recreation by the invitation of the Australian Government.
- Margaritte Monod, Associate Professor of Secondary Education, has been selected to be honored with a 1975 Alberta Achievement Award.
- J.P. Das, Professor of Educational Psychology, is visiting the Soviet Union for five weeks on the Canada/USSR exchange scheme. During his visit he will look at the research in the Department of Neuropsychology at Moscow State University, and he will also spend some time at the Institute of Defectology learning about their research and remediation programs in the area of exceptional children.
- Richard Selleck, Professor of History of Education, Monash University, Melbourne, and currently visiting scholar at the Institute of Education, University of London, was a visitor in the Department of Educational Foundations for the week of September 28 to October 3. During that time he conducted seminars on aspects of progressive education, and delivered a public lecture, "Progressivism and educational change: the European experience."
- Helen Liebel-Weckowicz, Professor of

(Continued after Register of Standing Committees)

Register of Standing Committees

Chairmen of committees are asked to warn the responsible bodies as replacements in committee membership become necessary. When membership on a committee is ex officio, the office is listed first, with the name of the incumbent following.

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University Press Committee
Ad hoc Committee to Examine Writing Skills of Undergraduate Students
Ad hoc Committee on Interdisciplinary Program in Urban and Regional Studies

Senate

7

Standing Committees and Task Forces

Senate
Executive Committee
Honorary Degrees Committee
Nominating Committee
Academic Liaison Committee
Task Forces
Task Force on the Extension Function
Task Force on Native Students
Task Force on University Legislation
Senate Committee on Dental Service to Rural Areas
Senate Committee on Management Advisory Institute

Standing Committees of the President

8

Archives Committee
Centre for the Study of Mental Retardation—Advisory Committee
Convocation Committee
CUSO Committee
Emergency Planning Committee
General Research Grants Committee
Medical Research Grants Committee
Patents Committee
Purchases of Major Equipment Committee
Radiation Control Committee
Radiation Research Committee
Recreational Use of the Physical Education and Recreation Centre Committee
Social Research Committee
Student Employment Committee
Technical Services Committee
Theoretical Physics Institute Executive Council
University Animal Policy Committee
University Safety Committee

Deans' Council

10

Standing Committees

Deans' Council
Bookstore Committee
Graduate Assistance Policy Committee
Student Counselling Services Committee
University Health Service Committee
University Student Loan Fund Committee

Standing Committees of the Council of the Faculty of Graduate Studies and Research

Graduate Student Scholarship Committee
Interdisciplinary and Multidisciplinary Studies Committee
Post-doctoral Fellowships Committee
Academic Appeals Committee

Student Organizations

11

Students' Council
Graduate Students' Association, Executive Committee

University Staff Organizations

11

Association of the Academic Staff of The University of Alberta, Executive Committee
The University of Alberta Non-Academic Staff Association, Executive Committee

CO-ORDINATING COUNCIL

Co-ordinating Council

Purpose: (1) To inquire into any matter that in its opinion calls for co-operative action on the part of the General Faculty Councils of the provincial universities in Alberta, and make recommendations thereon to any General Faculty Council (2) to give its advice and opinions on any matter upon the request of a General Faculty Council or the Minister (3) to make recommendations to the General Faculty Council or the Board of Governors of a university or to the Minister (4) to determine minimum standards for the affiliation of colleges or other institutions with universities, and to recommend that an affiliation agreement be made, modified, or dissolved (5) to give or withhold its approval of standards or policies proposed by a General Faculty Council with regard to the admission of first-year students to the university (6) to judge conditions of entrance to certain learned professions and callings.

Meetings: Last Tuesday of each month

Membership:

the president of each university,
the vice-president or senior vice-president of each university,
two deans and two other members of the academic staff of each university, to be appointed by the general faculties council of the university, and
not more than three other members of the academic staff of each university, to be appointed by the Universities Co-ordinating Council.

BOARD OF GOVERNORS

Board of Governors

Purpose: The University's senior policy board.
Established under The Universities Act, Section 13.

Meetings: At call

Membership:

EA Geddes (Chairman)
Chancellor of the University, RN Dalby
President of the University, HE Gunning
Representatives of the Alumni Association, G Fryett,
NA Lawrence

Representative of the Senate, J Forest

Representatives of the Academic Staff, DM Ross

[one vacancy]

Representatives of the Students' Union, G Leadbeater,
G Draper

Representative of the Graduate Students' Association,

J Girtton

A Andrekson

EB Allan

HG Moncrieff

RG Reynolds

P Savaryn

JL Schlosser

In regular attendance:

Vice-President (Academic), M Horowitz

Vice-President (Planning and Development),

RE Phillips

Vice-President (Finance and Administration),

LC Leitch

Secretary to the Board, J Nicol

Reports: Annually, to the Minister of Advanced Education

Executive Committee

Meetings: At call

Membership:

EA Geddes (Chairman)

RN Dalby (Chancellor)

JL Schlosser (Vice-Chairman) (Chairman of the Finance Committee)

HE Gunning

DM Ross

G Leadbeater

NA Lawrence (Chairman of the Building Committee)

P Savaryn (Chairman of the Investment Committee)

A Andrekson (Chairman of the Salaries Negotiating Committee)

In Regular Attendance:

Vice-President (Academic), M Horowitz

Vice-President (Finance and Administration),

LC Leitch

Vice-President (Planning and Development),

RE Phillips

Secretary to the Board, J Nicol

Building Committee

Meetings: At call

Membership:

NA Lawrence (Chairman)

EA Geddes

HE Gunning

G Draper

RG Reynolds

HG Moncrieff

A Andrekson

In regular attendance:

Vice-President (Academic), M Horowitz

Vice-President (Planning and Development),

RE Phillips

Assistant to Vice-President (Planning and Development), ER Shedden (Secretary)

Finance Committee

Meetings: At call

Membership:

JL Schlosser

EA Geddes

HE Gunning

DM Ross

J Girtton

G Leadbeater

P Savaryn

J Forest

In regular attendance:

Vice-President (Academic), M Horowitz

Vice-President (Finance and Administration),

LC Leitch (Secretary)

Assistant to Vice-President (Finance and Administration), M Poole

Investment Committee

Meetings: At call

Membership:

P Savaryn (Chairman)

EA Geddes

HE Gunning

J Girtton

HG Moncrieff

JL Schlosser

J Heron (Acting Investment Officer)

Salaries Negotiating Committee

Meetings: At call

Membership:

A Andrekson (Chairman)

G Fryett

In regular attendance:

Vice-President (Academic), M Horowitz

Vice-President (Finance and Administration),

LC Leitch

GENERAL FACULTIES COUNCIL

Executive Committee

Purpose: In general to act as the executive body of General Faculties Council. The following functions have been delegated to the Executive by Council:

(1) to approve time-tables for examinations and for instruction; (2) to exercise control over the conducting of examinations and the reporting of examination results; (3) to provide for the preparation and publication of the University Calendar; (4) to approve the academic schedule; (5) to approve undergraduate awards; (6) to exercise supervision of General Faculties Council's control function with respect to the powers of Faculty and School councils; (7) to prepare the agenda for meetings of GFC; (8) to take action on matters which are routine in carrying out the policies of General Faculties Council and on those matters which the Executive Committee considers urgent.

The Executive also gives primary consideration to reports of GFC Committees and of Faculty Councils, and acts on all other matters referred to it by Council.

Membership:

Ex Officio

The President (Chairman)

The Vice-President (Academic) (Vice-Chairman)

The Registrar

Elected Members

ED Blodgett (Comparative Literature)	(6/1976)
DA MacKay (Elementary Education)	(6/1976)
DM Sheppard (Physics)	(6/1976)
PR Smy (Electrical Engineering)	(6/1976)
RJ Crawford (Chemistry)	(6/1977)
AS Russell (Medicine)	(6/1977)
JK Lauber (Zoology)	(6/1978)
B Atkinson (GS-Educational Psychology)	(3/1976)
J Bothwell (Business Administration—4)	(3/1976)
A Harvey (Secondary Education)	(6/1978)

[One undergraduate student member to be elected]

Secretary

MM Midgley

Academic Appeal Committee

Purpose: To hear and determine the appeal of any student from decisions affecting his academic standing at the University which relate to transfer from one program to another, admission from another faculty, continuation in a program, graduation or request to withdraw.

Membership:

RE Baird (Political Science)	(6/1976)
JJ Bakker (Civil Engineering)	(6/1976)
T Dennis (Household Economics)	(6/1976)
PR Winters (Business Administration)	(6/1976)
E Reinelt (Geography)	(6/1977)
K Hutchison (Physiology)	(6/1978)
D Sawada (Elementary Education)	(6/1978)
B Mason (Arts—3)	(4/1976)
J Bothwell (Business Administration—4)	(4/1976)

[One graduate student member and three student alternates to be elected]

Academic Development Committee

Purpose: (1) To initiate studies on any matter of academic concern to the University; (2) to carry out studies requested by UPC or GFC in relation to long range plan and report to the body making the request; (3) (a) to prepare recommendations based on academic merit, for the establishment or development of new chairs, departments, schools, institutes, faculties and programs of instruction, and for applications for negotiated development grants, for transmittal to UPC; (b) to periodically evaluate existing programs in relation to the overall plan and report to UPC; (4) to consider requests from groups and/or organizations outside the University for studies and

reports on matters of academic concern, and to report directly the results of any studies undertaken to such groups and or organizations, provided that the reports are issued in the name of ADC; (5) to consider such other related matters as are referred to ADC from time to time.

Membership:

Ex Officio

Vice-President (Academic), M Horowitz (Chairman)

Elected Members

KL Bowers (Secondary Education)	(6/1976)
CR Dunlop (Law)	(6/1978)
S Greenhill (Community Medicine)	(6/1977)
WN Stewart (Botany)	(6/1978)
PR Winters (Business Administration)	(6/1978)
B Atkinson (GS-Educational Psychology)	(4/1976)
J Bothwell (Business Administration—4)	(4/1976)
R Cooper (Arts—3)	(4/1976)

[One academic staff member and one graduate student to be elected]

Secretary

AL Paterson

Administrative and Professional Officers Committee

Purpose: To approve, *inter alia*, the establishment of all Officer positions; to approve appointments and promotions to positions at III, IV, and V classification levels; to recommend changes in salary and increment scales and in the regulations governing the Officer category.

Membership:

Ex Officio

Vice-President (Finance and Administration),

LC Leitch (Chairman)

Director of Personnel Services and Staff Relations,

MS Cooke (non-voting)

Elected Members

MM Midgley (President's Office)	(6/1976)
RE Phillips (Physical Plant)	(6/1976)
G Ford (Engineering)	(6/1977)
T Nelson (Psychology)	(6/1977)
PL Freeman (Law)	(6/1978)

Secretary

BH McDonald

Admission Requirements Committee

Purpose: (1) To study the effects of changes in admission requirements; (2) to study the need for further changes in the light of any developments that may occur; (3) to consider methods of selection for admission; (4) to consult with the Director of Institutional Research with respect to particular studies or the maintaining of data for on-going reviews in respect of questions having to do with admission; (5) to bring recommendations to General Faculties Council in respect of any or all these matters.

Membership:

Ex Officio

Director of Student Counselling Service, AJB Hough

The Registrar, A Cairns (Chairman)

Admissions Officers

L Trafford (Agriculture)
WA Blanchard (Arts)
EH Shaffer (Business Administration)
EV Blackburn (Collège-Universitaire Saint-Jean)
AA Bene (Dental Hygiene)
RA Ware (Education)
EL Fowler (Engineering)
P Brogdon (Household Economics)
B Motyl (Medical Laboratory Science)
JT Funke (Nursing)
LI Wiebe (Pharmacy)
HJ McLachlin (Physical Education)
F Wilson (Rehabilitation Medicine)
R Jacka (Science)

Elected Members

H. Kass (Secondary Education)
LG Allbon (Rehabilitation Medicine)

H Goldberg

C Simpson (GS-Classics)

B Wolsey (Law—2)

K Gillese (Arts—3)

Secretary

WAD Burns, Associate Registrar

Articulation Committee

Terms of Reference (Proposed) (GFC 30/9/74): To be developed from the principle that the primary task of the Committee is to formulate and recommend University policy re transfer and credit arrangements with the Colleges and thereafter to ensure smooth transfer and to assist Colleges in meeting program requirements.

Membership:

Ex Officio

The University of Alberta representative on the Provincial Credit Arbitration Committee, WF Allen
Chairman of the Admission Requirements Committee, A Cairns

Chairman of the Special Sessions Committee, W

Blanchard

Elected Members

F McMahon (Collège Universitaire Saint-Jean)	(6/1977)
D Campbell (Extension)	(6/1976)
JFD Ilott (Industrial and Vocational Education)	(6/1978)
M Sasonkin (Music)	(6/1978)
JM Small (Educational Administration)	(6/1978)
WAG Voss (Electrical Engineering) (Chairman)	(6/1978)
R Heath (Science—3)	(4/1976)
S Yu Sun Wah (Business Administration—3)	(4/1976)

Executive Secretary

WAD Burns, Associate Registrar

Art Works Committee

Purpose: To purchase quality works of art for buildings on campus and to administer their placement.

Membership:

Ex Officio

Curator of the University Art Gallery and Museum, RA Davey (Chairman)

Director of the University Art Gallery and Museum,

R Silvester

Assistant Curator of the University Art Gallery and Museum, H Collinson

Elected Members

P Rafferty (Elementary Education)	(6/1976)
C Gordon-Craig (English)	(6/1978)
J Sybesma-Ironside (Art and Design)	(6/1978)
F Macri (GS-Comparative Literature)	(4/1976)
A Ogg (Arts—3)	(4/1976)

Calendars Committee

Purpose: To review the nature of the University Calendars, and to advise on their format, general organization and schedule of publication.

Membership:

Ex Officio

The Registrar, AD Cairns (Chairman)

Director of Printing Services

Elected Members

B Daniel (Zoology)	(6/1976)
LG Allbon (Rehabilitation Medicine)	(6/1978)
C Hale (Germanic Languages)	(6/1978)
G Sadler (Mechanical Engineering)	(6/1978)
M Lukat (Physical Education—3)	(4/1976)

[Graduate student to be elected]

Secretary/Editor

S Gault, Timetabling Officer

Campus Development Committee

Purpose: (1) To establish and maintain general space requirements and standards; (2) to initiate studies in

relation to buildings and facilities and to undertake studies as requested by UPC in relation to the long range plan; (3) to recommend to UPC, after consultations with appropriate building committees, the sitings and groupings of proposed buildings within the long range plan; (4) to recommend to UPC on University land use within the long range plan including such matters as parking and transportation; (5) to study proposals in connection with space requests from faculties and administrative departments; (6) to study space needs and review detailed planning in connection with approved building projects, and: (a) report to the University Planning Committee for a review of priorities when a project target cost is established, with an assessment of all related implications including capital and operating budgets; and (b) make recommendations at appropriate stages of planning to the Building Committee of the Board of Governors; (7) to allocate existing and new space after receiving requests by Faculties, Schools, and other University units.

Membership:

Ex officio

Vice-President (Planning and Development)
(Chairman)

Elected Members

J Forrest (English)	(12/1975)
TS Leeson (Anatomy)	(6/1976)
F Enns (Education)	(6/1977)
JG MacGregor (Civil Engineering)	(6/1978)
R Tait (Mathematics)	(6/1978)
R Silvester (Art and Design)	(1/1976-6/1978)
M Oleskiw (GS-Geography)	(4/1976)
R Cook (Arts—4)	(4/1976)
T McCoy (Arts—4)	(4/1976)

Secretary

WJ Williamson

Campus Law Review Committee

Purpose: (1) To review the rules, regulations, and the like enacted by any authority constituted or continued by or under The Universities Act; (2) to review procedures by which persons charged with violations are tried; (3) to review the penalties and fines applicable.

Meetings: When required. All meetings shall be open to all members of the University community with the proviso that they may be held in camera if, by a majority vote, it is considered advisable. Notice of the time and place of all meetings shall be given in *The Gateway* and/or *Folio*.

Membership:

Provost, AA Ryan (Student Affairs)
I Robinson (Residences)
J Romero (Students' Union)
(Graduate Students' Association)
MG Poole (Designee of Vice-President, Finance and Administration)
MM Midgley (Officer responsible for implementing GFC DLO procedures)

Elected Members

RS Nozick (Chairman) (Law)	(6/1976)
D Tomlinson (Non-Academic Staff, Geology)	(6/1976)
G Kupfer (Sociology)	(6/1978)

Secretary

M Martin

Computer Facilities and Policy Committee

Purpose: (1) To consider and make recommendations on applications for computing equipment throughout the University; (2) to establish policy for the effective operation and use of the computing facilities; (3) to establish and maintain a charging system and allocation of time for the use of computing facilities.

Membership:

Associate Vice-President (Academic), WF Allen
(Chairman)

Ex Officio

Chairman of the Department of Computing Science,
A Wouk

Director of Computing Services, D Bent
Director of Administrative Systems, PA Watts

Elected Members

H Kass (Secondary Education)	(6/1976)
G Pessis (Business Administration)	(6/1976)
J Bertie (Chemistry)	(6/1977)
K Dawson (Physics)	(6/1978)
EW Guernsey (Sociology)	(6/1978)
J Warwaruk (Civil Engineering)	(6/1978)
N Gee (GS-Chemistry)	(4/1976)
M Jacobs (Science—3)	(4/1976)

Conference Funds Committee

Purpose: To administer the Conference Fund of the University which is intended for the financial support of conferences, conventions, and symposia of an academic nature (as distinct from visiting lectureships) held in the province and sponsored or hosted by the University or its students or student organizations.

Membership:

Ex Officio

A representative from the Office of the Comptroller,
MA Rousell (Secretary)

Elected Members

M Whitaker (English)	(6/1976)
K Neufeld (Chairman) (Elementary Education)	(6/1977)
A Kamal (Physics)	(6/1977)

Copyrights Committee

Purpose: To concern itself with copyright matters at the University with responsibility *inter alia* of:
(1) making proposal for or amendments to regulations concerned with copyright matters at the University;
(2) seeking to resolve disputes which may arise out of the application or interpretation of copyright agreements made between the Board and staff members and any regulation made with respect thereto by General Faculties Council.

Membership:

C Lockwood (Extension)	(6/1976)
G Farmer (Secondary Education)	(6/1977)
M Van de Pitte (Philosophy)	(6/1977)
J Semple (Chairman) (Rehabilitation Medicine)	(6/1977)
A Crighton (Music)	(6/1978)
J Kirby (GS-Educational Psychology)	(4/1976)

Course Registration Procedures Committee

Purpose: To provide a continuing review of existing registration procedures and recommend any changes that seem desirable.

Membership:

Ex Officio

Registrar or designee, LP Morgan (Chairman)
Director of Administrative Systems or designee,
PA Watts

Elected Members

RJ Middleditch (Arts)	(6/1976)
P Browne (Elementary Education)	(6/1976)
EL Fowler (Engineering)	(6/1976)
WJ Bruce (Mathematics)	(6/1978)
S Ussyk (Non-Academic Staff, Pharmacy)	(6/1978)
L Mullin (GS-Psychology)	(4/1976)
S Schmidt (Science-3)	(4/1976)

[One undergraduate student to be elected]

Environmental Studies Program Committee

Purpose: To encourage the formation of programs in environmental studies within departments and faculties; to provide guidance for students and to establish courses deemed appropriate.

Membership:

Ex Officio

A coordinator from the Department of Geography,
IA Campbell

Elected members

JG Adler (Physics)	(6/1976)
LC Bliss (Botany)	(6/1976)

DM Cruden (Geology/Engineering)	(6/1976)
RH Knowles (Plant Science)	(6/1976)
D Quon (Chemical Engineering)	(6/1976)
BRJ Sproule (Medicine)	(6/1976)
N Stehr (Sociology)	(6/1976)
DC Wighton (Genetics)	(6/1976)
DWR Wilson (Elementary Education/Geology)	(6/1977)
JI Lee (GS-Mineral Engineering)	(4/1976)
L Sydora (Science-4)	(4/1976)

General University Disciplinary Impanelling Boards

Purpose: GFC has approved procedures whereby charges against students and appeals by students shall be notified to the Secretary of the Discipline, Law, and Order Procedures and heard by Hearings and Boards consisting of persons from specified categories. GFC is from time to time required to name students and other persons of the University community to lists to act as members and chairmen of General University Disciplinary Hearings and General University Appeal Boards. (Further details of these procedures are available in the GFC Policy Manual.)

Membership:

Academic

LW Klar (Law)	(6/1976)
D Tucker (Elementary Education)	(6/1976)
MFR Smith (Physical Education)	(6/1976)

Non-Academic

H Biltek (Physics)	(6/1976)
A Tory (Registrar's Office)	(6/1976)
G Williams (Administrative Systems)	(6/1976)

Student

D Allin (Law—2)	(4/1976)
J Bothwell (Business Administration—4)	(4/1976)
K Buchkowski (Business Administration—4)	(4/1976)
L Enns (Education—4)	(4/1976)
K Gilless (Arts—3)	(4/1976)
B Hebert (GS-Educational Psychology)	(4/1976)
C Khunke (GS-Business Administration)	(4/1976)
G Leadbeater (Science—3)	(4/1976)
T Sharon (Education—4)	(4/1976)
D Sommerfeldt (Law—2)	(4/1976)
J Tanner (Arts—4)	(4/1976)
I Yake (Law—2)	(4/1976)

Secretary of Discipline, Law, and Order Procedures
MM Midgley

Housing and Food Services Committee

Purpose: To formulate policy with respect to the planning for and operation of the University's Housing and Food Services and to refer major policy changes to General Faculties Council for approval.

Membership:

Ex Officio

Vice-President (Finance and Administration),
LC Leitch (Chairman)

Provost, AA Ryan (Vice-Chairman)

Dean of Women

Elected members

C Gordon-Craig (English)	(6/1976)
H Tebelmann (Non-academic staff, Art and Design)	(6/1977)
T Dennis (Household Economics)	(6/1978)
E Borys (Business Administration-4)	(4/1976)
M Lawson (GS-Educational Psychology)	(4/1976)
H Morrison (Arts-3)	(4/1976)
J Prentice (Business Administration-2)	(4/1976)
S Puri (Business Administration-3)	(4/1976)

[One graduate student to be elected]

Library Committee

Purpose: (1) To determine the book and periodical budget applications, including the allocation of funds to departments and the disposition of unallocated book funds; (2) to study and recommend on the physical facilities provided for the library, and the establishment and regulation of branch libraries; (3) to provide

liaison between the library administration and the faculty and students, with a view to maintaining effective communication on all matters affecting the welfare of the library and the services which it renders to the University; (4) to make recommendations on any matters affecting the library; (5) to receive reports from, and to advise, the Chief Librarian with respect to his management and conduct of the library; (6) to submit to General Faculties Council an annual report dealing with the discharge of its responsibilities.

Membership:

Ex Officio

An Associate Dean of the Faculty of Graduate Studies and Research, J. Forster (Chairman)

Librarian, BB Peel

Elected members

E Holdaway (Educational Administration) (6/1978)
P Field (Nursing) (6/1977)
J Delehanty (Economics) (6/1977)
J Plambeck (Chemistry) (6/1977)
R Cohoon (Business Administration) (6/1978)
A Mather (Chemical Engineering) (6/1978)
M Sasonkin (Music) (6/1978)
U Trumpener (History) (6/1978)
P Hannan (Law-3) (4/1976)

[One graduate student to be elected]

[One academic staffmember to be elected]

Secretary:

L Plaskitt

Nominating Committee

Purpose: Except where the membership of the Nominating Committee itself is concerned, to place before General Faculties Council the names of persons to be considered for election for membership to: (1) the various committees of General Faculties Council; (2) other bodies requiring representatives of General Faculties Council or the academic community.

Membership:

Academic staff members

RE McClure (Nursing) (6/1976)
RBJ Macnab (Physical Education) (6/1976)
M Schacter (Physiology) (6/1976)
RN MacGregor (Chairman) (Secondary Education) (6/1977)
R Silvester (Art and Design) (6/1977)

Non-academic staff member

P Brunel (Philosophy) (6/1978)
Student members
A Arduini (GS-Chemistry) (4/1976)
B Atkinson (GS-Educational Psychology) (3/1976)
J Bothwell (Business Administration-4) (3/1976)
V Seward (Science-3) (4/1976)

[One undergraduate student member to be elected]

Secretary

P Campbell

Parking Appeals Committee

Purpose: To hear appeals from any person charged with a violation of the Traffic and Parking Regulations or assessed any penalty.

Membership:

W Dylke (Pharmacy, NASA) (6/1976)
C Hale (Germanic Languages) (6/1978)
R Macnab (Physical Education) (6/1978)
G Hills (GS-Animal Science) (4/1976)
B Farrell (Business Administration-3) (4/1976)

Alternates

B O'Neill (Physical Plant, NASA) (4/1976)
WN Olsen (Psychology) (4/1978)
A Meyers (Industrial and Vocational Education) (4/1978)
R Heath (Science-3) (4/1976)

[One alternate to be elected]

Secretary

ME Martin

Pollution Committee

Purpose: (1) To make *preliminary* investigations of complaints received from members of the University community and others regarding any form of pollution generated on campus; (2) without restricting the generality of (1), to make *preliminary* investigations of any alleged violations of Federal, Provincial, Municipal or University regulations regarding pollution generated on the campus (regardless of whether or not the University is legally required to conform to these regulations); (3) to propose new or revised University regulations.

Membership:

D Quon (Chairman) (Chemical Engineering) (6/1976)
A Warrington (Non-Academic Staff, Purchasing) (6/1976)

D Boag (Zoology) (6/1977)

[Three student members to be elected]

Promotions and Salaries—General Committee

Purpose: The primary function is to establish broad policy within the University relating to salaries and promotions for academic staff.

Membership:

Ex Officio

Vice-President (Academic), M Horowitz (Chairman)

Deans and Directors

Librarian, BB Peel

Elected members

FL Jackson (Bacteriology) (6/1977)
DI Gough (Physics) (6/1977)
HB Dunford (Chemistry) (6/1978)
C Drummond (English) (6/1978)
K Hutchison (Physiology) (6/1978)
AASUA Representative
N Hersom (Elementary Education) (6/1976)

Secretary

BH McDonald

Financial Secretary

MA Rousell (Comptroller)

Promotions and Salaries—

GFC Appeals Committee

Purpose: To hear appeals on decisions of any Faculty or School Promotions and Salaries Committee and render final decisions on the recommendation to be made to the Board of Governors.

Membership:

Elected members

MA Nay (Secondary Education) (6/1976)
R Nielsen (Classics) (6/1976)
JA Plambeck (Chairman) (Chemistry) (6/1976)
N Kerr (Household Economics) (6/1977)
R Shiner (Philosophy) (6/1977)
D Boag (Zoology) (6/1978)
T Dennis (Household Economics) (6/1978)
R Smith (Surgery) (6/1978)
J Young (Elementary Education) (6/1978)

Representative of AASUA

[To be elected]

**Promotions and Salaries—
Handbook Appeals Committee**

Purpose: To hear appeals on decisions of any Faculty or School Promotions and Salaries Committee and render final decisions on the recommendation to be made to the Board of Governors. (This Committee differs from the GFC Appeals Committee on Salaries and Promotions in composition only and is available to those whose contract of appointment incorporates Part I of the 1968 Faculty Handbook).

Membership:

Ex Officio

Vice-President (Academic), M Horowitz (Chairman)

Deans elected by GFC

RG Baldwin (Arts) (6/1978)
DF Cameron (Medicine) (6/1978)
KB Newbound (Science) (6/1978)

Academic staff elected by GFC

A Meir (Mathematics) (6/1977)
K Cunningham (Sociology) (6/1978)

A Meyers (Industrial and Vocational Education) (6/1978)

AASUA Representative

[To be elected]

Radio and Television Committee

Purpose: To establish television policies subject to the approval of General Faculties Council. (The existing operations [the Radio and Television Department, Education, Extension and Health Sciences] will continue as viable independent operations responsible to the Radio and Television Committee within the established policies. The expansion of all existing television operations require the approval of the Radio and Television Committee. The establishment of other television operations is under the control of the Radio and Television Committee.)

Membership:

Ex Officio

Associate Vice-President (Academic), WF Allen (Chairman)

Ex Officio (non-voting)

KL Bowers (Audio Visual Centre Education)
MC Bidwell (Audio Visual Centre Health Science)
JA Shaw (Audio Visual Extension)
WH Jopling, Acting Director, Radio and Television

Elected members

C Heath (Pharmacology) (6/1976)
DWR Wilson (Elementary Education/Geology) (6/1977)
R Faryon (Extension) (6/1978)
J Foster (History) (6/1978)
N Parker-Jervis (English) (6/1978)
M Paul (Household Economics) (6/1978)
E Brody (Science-3) (4/1976)
J Daniel (Physical Education-3) (4/1976)

[Two academic staff members to be elected]

Research Committee

Purpose: To be responsible for the formulation and execution of policies related to: (1) the administration of research grants and contracts in accordance with the general conditions governing such awards and contractual agreements; (2) research grants from the University to faculty members; (3) patents and copyright arising from research; (4) negotiated Development Grants; (5) human research.

Membership:

Ex Officio

Dean of the Faculty of Graduate Studies and Research, JR McGregor (Chairman)

Vice-President (Academic) or designee, WF Allen

Elected members

R Wilberg (Physical Education) (6/1977)
A Harvey (Secondary Education) (6/1977)
P Kitching (Physics) (6/1977)
M Barton (Immunology) (6/1978)
FC Engelmann (Political Science) (6/1978)
JA Forbes (Art and Design) (6/1978)
SE Zalik (Zoology) (6/1978)
S Shah (GS-Chemical Engineering) (4/1976)

Secretary

GA Holmes

Special Sessions Committee

Purpose: (1) To recommend policy with respect to the operation of the Spring Session, the Summer Session and the Evening Credit Program; (2) to exercise general supervision over these services.

Membership:

Ex Officio

Vice-President (Academic) or designee, WF Allen
Dean of Arts or designee, W Blanchard (Chairman)
Dean of Education or designee
Dean of Science or designee, KB Newbound

Dean of Graduate Studies and Research or designee,
JR McGregor
The Registrar, AD Cairns
Director of Special Sessions, SCT Clarke (Secretary)
Elected members
G Rothrock (History) (6/1976)
EL Fowler (Engineering) (6/1976)
D Kieren (Household Economics) (6/1977)
K Cunningham (Sociology) (6/1978)
J Young (Elementary Education) (6/1978)
R Whistance-Smith (Geography)
Appointed members
A representative of the Faculty of Extension
A representative of the Summer Session Students' Union
A representative of the Spring Session Students' Association

Student Affairs Council

Purpose: To exercise jurisdiction over student affairs with respect to such matters and in such manner as General Faculties Council may determine and as provided by sections 39, 40 and 41 of The Universities Act.

Membership:

Ex Officio

Provost, AA Ryan (Chairman)
Dean of Women
Dean of Men and Foreign Student Advisor
Representative of Dean's Council
President of the Students' Union, G Leadbeater
President of the Graduate Students' Association, J Gorton
President of the Summer Session Student Council, P Orydzuk
Chairman of the U of A Athletic Board, M Fisher
Members of the academic staff elected by GFC
R Savitt (Business Administration) (6/1977)
R Kimmis (Student Counselling) (6/1977)
C Gordon-Craig (English) (6/1978)
Student Members
3 full-time members of the student body (one of whom shall be a woman)

Registration Week Committee

(Formerly a committee of the Senate. Renamed and made a Sub-Committee of the Council on Student Affairs).

Purpose: To act as an advisory body in the planning and co-ordinating of all Registration Week Activities.

Membership:

Designee of Director of Student Counselling Services, R Fischer
Dean of Women
Dean of Men and Foreign Student Advisor
Faculty Representative
Co-ordinator of Student Activities, T Sharon
Designee of University Librarian, M Sharma
Associate Registrar, LP Morgan
Chairman, Freshman Introduction Week Committee of the Students' Union, K MacKenzie
Lister Complex Coordinator or designee, I Robinson
Student Council Representative

Teaching Investigation Committee

Purpose: To gather and digest information on various aspects of university teaching and learning from both inside and outside the University; to make this readily available to members of the University community through the Committee's library; and to make such recommendations as it sees fit concerning these aspects.

To examine various aspects of university teaching and learning, focusing especially at the undergraduate level, including (i) teaching loads, (ii) teaching methods, (iii) aspects of the curricula related to students, (iv) academic counselling of students, (v) the effect of the physical and attitudinal environments of the academic community on learning, and (vi) the increasing impersonality of university teaching.

In reference to (ii) above, to encourage faculty members to undertake independent investigations into the nature of teaching and learning; to encourage faculty members to become innovative in their approach to teaching; to initiate original research under its own auspices or in conjunction with other offices and organizations in the University; to publish the findings so that more members of the academic community will become aware of ways to improve teaching.

Membership:

P Browne (Chairman) (Elementary Education) (6/1976)
JN Wickenden (History) (6/1977)
S Willard (Mathematics) (6/1977)
JM Plecash (Dentistry) (6/1977)
RN MacGregor (Secondary Education) (6/1977)
EM Crown (Household Economics) (6/1978)
K Cunningham (Sociology) (6/1978)
RV Rasmussen (Business Administration) (6/1978)
J Kirby (GS-Educational Psychology) (4/1976)
L Mullin (GS-Psychology) (4/1976)
I Yake (Law-2) (4/1976)
[One student member to be elected]
Secretary
D Otto (Institutional Research and Planning)

Tenure Appeals Committee

Purpose: To hear all appeals from decisions or actions of Faculty Tenure Committees.

Membership:

Ex Officio

Vice-President (Academic) or designee, WF Allen (Chairman)

Elected members

RBJ Macnab (Physical Education) (6/1976)
D Vitt (Botany) (6/1976)
RN MacGregor (Secondary Education) (6/1976)
RJ Crawford (Chemistry) (6/1977)
Elected alternate members
AS Russell (Medicine) (6/1977)
AP Scott (Germanic Languages) (6/1977)
Representative of the AASUA
SCT Clarke (Special Sessions) (12/1976)
Alternate, J Semple (Rehabilitation Medicine) (12/1976)

Timetabling Policy Committee

Purpose: To give the Timetabling Officer support and guidance in the implementation of existing timetabling policy, and to make recommendations to General Faculties Council on any matters of policy affecting the lectures and examinations, timetables, teaching space and the scheduling of teaching space.

Membership:

Ex Officio

Associate Registrar, LP Morgan
Assistant Registrar (Timetabling), S Gault (Secretary)

Elected members

L Allbon (Rehabilitation Medicine) (6/1977)
KB Newbound (Science) (6/1977)
E Richards (Household Economics) (6/1977)
RO Anderson (Physical Education) (6/1977)
RL Ware (Education) (6/1978)
[Two student members to be elected]

Undergraduate Scholarship Committee

Purpose: (1) To be responsible for administration of all Matriculation and Undergraduate Scholarships, Bursaries or Awards; (2) to report to or consult with the Executive Committee of General Faculties Council as required.

Membership:

Ex Officio

Administrator of Student Awards, L Henderson (Chairman)

Elected members

K Klawe (Economics) (6/1976)

F Christensen (Philosophy) (6/1977)
E Richards (Household Economics) (6/1977)
RL Ware (Education) (6/1978)
T Sharon (Education-4) (4/1976)

[One academic staff member and one undergraduate student member to be selected]

University Collections Committee

Purpose: To investigate the problems relating to the University collections and to formulate policy on the administration of the collections.

Membership:

Ex Officio

Curator of the University Art Gallery and Museum, RA Davey

Elected members

M Grayson (Elementary Education) (6/1976)
E Hohn (Physiology) (6/1977)
D Budd (Secretary) (Non-Academic Staff, President's Office) (6/1977)
WG Evans (Entomology) (6/1978)
L Kosinski (Geography) (6/1978)
J Parker (University Archivist) (6/1978)
P Prestwich (History) (6/1978)
CR Stelck (Geology) (6/1978)

Alternates

WH Cottle (Physiology) (6/1977)
WN Stewart (Botany) (6/1977)
M Welychko (Non-Academic Staff, Library) (6/1977)
GE Ball (Entomology) (6/1978)
A Bryan (Anthropology) (6/1978)
CG Hickey (Anthropology) (6/1978)
LH Thomas (History) (6/1978)
[One alternative to be elected]

University Planning Committee

Purpose:

A. To *recommend* to GFC with respect to: (1) policies and procedures for operating budget planning and budget allocations; (2) establishment or development of new chairs departments, schools, institutes, faculties and programs of instruction; (3) such other related matters as are referred or reported to UPC from time to time.

B. To act on *delegation of authority* from GFC in the following areas: (1) to establish and maintain a long range university academic and physical plan; (2) to make recommendations to the Board of Governors on the capital and operating budgets; (3) to request and consider academic studies from ADC and technical studies from CDC in relation to the plan; (4) to ensure adherence to the plan; (5) to decide on requests for space and facilities which fall outside the plan and which have been duly referred to ADC and CDC for consideration, and to decide on requests for space and facilities by groups outside the University; (6) to establish priorities for the construction and development of new space and facilities; (7) to make recommendations to the Board of Governors on sitings and groupings of proposed buildings, land use, transportation, parking and applications for negotiated development grants; (8) to consider such other related matters as are referred or reported to UPC from time to time; (9) UPC will report decisions to GFC a minimum of twice annually, and in particular will report on annual budget allocations derived in accordance with policies and procedures adopted by GFC.

Membership:

Ex Officio

President HE Gunning (Chairman)
Vice-President (Finance and Administration)
LC Leitch (Vice-Chairman)
Vice-President (Academic), M Horowitz
Vice-President (Planning and Development), RE Phillips

Elected members

WN Stewart (Botany) (6/1978)

MP Browne (Associate Dean, Education)	(6 1978)
F Cookson (Anatomy)	(6 1978)
D Quon (Engineering)	(6 1978)
RJ Tait (Mathematics)	(6 1978)
J Girtton (GS-Genetics)	(4 1976)
A Esau (Law-3)	(4 1976)
G Leadbeater (Science-3)	(4 1976)

[Two academic staff members to be elected]
Secretary:
 AL Paterson

University Press Committee

Purpose: To examine plans and policies for scholarly University publishing and to make corresponding recommendations to GFC. To administer the affairs of The University of Alberta Press.

Membership:
Ex Officio
 Director of Printing Services, JRT Grant
 Manager of the Bookstore, JC Malone
 A professionally qualified book designer, W Jungkind

Elected members

H Kass (Secondary Education)	(6/1976)
D Campbell (Extension)	(6/1977)
A Bryan (Anthropology)	(6 1978)
LES Gutteridge (Library) (Chairman)	(6/1978)
R McMaster (English)	(6/1978)
R Barter (Non-academic staff, Library)	(6 1978)

Secretary:
 N Gutteridge

NOTE: It should be noted that the *ad hoc* lists may not be accurate. Members of *ad hoc* committees are not appointed for a specific term but until completion of the committee's task. Consequently, when members drop out without reporting the fact the official list is no longer accurate.

Ad Hoc Committee to Examine Writing Skills of Undergraduate Students

[GFC June 23, 1975]
Membership:
 J Forest (English)
 GL Gall (Law)
 RG Martin (Secondary Education)
 W Vanden Born (Plant Science)
 T McRory (Arts-2)
 A Nanning (Physical Education-4)

Ad Hoc Committee on Interdisciplinary Program in Urban and Regional Studies

[GFC October 27, 1969] [Reactivated]
 EJ Hanson (Economics)
 SR Sinclair (Chairman) (Civil Engineering)
 G Kupfer (Sociology)
 D Kieren (Household Economics)
 SE Greenhill (Community Medicine)
 SM McFadyen (Business Administration)
 JK Masson (Political Science)
 S Pawluck (Soil Science)
 PJ Smith (Geography)
 CM Lockwood (Extension)
 GH LaRoi (Botany)
 FA Laux (Law)
 NE Yates (Art)
 AF Affleck (Physical Education)
 DB Johnson (Geography)
 FE Drugge (Economics)
 EL Snider (Sociology)
 JJ Bakker (Civil Engineering)
Alternates
 DA Bancroft (Extension)
 RH Knowles (observer) (Agriculture)
 MJ Fran (Art)
 1 Graduate Student
 1 Undergraduate Student

SENATE

Senate

Purpose: To discover the public mind on any matter regarding the University and to enhance the usefulness of the University to the community as a whole; to make such reports and recommendations as it considers advisable to other University bodies. Established under The Universities Act, Section 8

Meetings: September, November, February, and May

Membership:

Ex Officio Members

Chancellor of the University, RN Dalby (Chairman)
 President of the University, HE Gunning
 Vice-President (Academic), M Horowitz
 Provost, AA Ryan
 President of the Alumni Association, WG Sterling
 Vice-President of the Alumni Association, B Adler

Appointed Members

Representatives of the Deans' Council

RG Baldwin
 J McCutcheon

Representatives of the Board of Governors

A Andrekson
 P Savaryn

Representatives of General Faculties Council

PJ Cahill
 ME Henderson
 LD Nelson

Representatives of the Alumni Association

B Burgess
 M Flewwelling

Student Representatives

P Drabble
 J Duncan

L Enns
 B Mason

Graduate Student Representative

J Moodie

Appointees of the Minister of Advanced Education

L Campbell
 EA Christenson
 EJ Finch
 W Kostash
 MG McCannel

Elected Members

R Calhoun
 C Roy Compston
 GN Cormack
 V Crowchild
 J Forest
 F Fraser
 HK Hanson
 B Hewes
 RH Jamha
 K Glen Johnson
 JR Kandler
 JL Lagasse
 DE Lewis
 P Meekison
 S Merchant
 S Munro
 G Pearson
 N Reimer
 C Ronning
 CH Rolf
 T Scambler
 E Schwab
 D Searle
 M Shaw
 J Sheppard
 HL Spelliscy
 E Taylor
 H Verdin
 V Wishart
 G Williams
 AD Cairns, Registrar of the University
 N Henry, Executive Officer of the Senate

Executive Committee

Purpose: See The Universities Act, Section 12(1).

Meetings: At call

Membership:

Chancellor of the University, RN Dalby (Chairman)
 President, HE Gunning
 Registrar, AD Cairns
 G Baldwin
 R Calhoun
 M Flewwelling
 B Hewes
 JR Kandler
 B Schwab
 M Shaw
 J Sheppard
 Students' Council Representative, B Mason
 Graduate Students' Association Representative,
 J Moodie

Reports: At regular meetings of the Senate

Honorary Degrees Committee

Purpose: Has delegated authority from the Senate to seek, consider, and choose candidates for Honorary Degrees from The University of Alberta.

Meetings: At call

Membership:

Chancellor of the University, RN Dalby (Chairman)
 President, HE Gunning
 B Adler
 A Andrekson
 L Enns
 HK Hanson
 R Jamha
 P Meekison
 S Merchant
 LD Nelson
 C Ronning
 E Taylor

Reports: At regular meetings of the Senate

Nominating Committee

Purpose: To nominate members for election to the Senate and its Standing Committees, with provision for further nominations from the floor.

Meetings: At call

Membership:

R Munro (Chairman)
 Chancellor of the University, RN Dalby
 J Cahill
 V Crowchild
 KG Johnson
 M McCannel
 A Ryan
 J Sheppard
 V Wishart

Reports: At regular meetings of the Senate

Academic Liaison Committee

Purpose: To act as liaison between interested publics and the University on matters of academic program planning of mutual interest.

Meetings: At call

Membership:

B Hewes (Chairman)
 JR Kandler
 W Kostash
 AG McCalla
 J Cahill

Task Forces

Purpose: Task Forces are established by the Senate and appointed by the Executive Committee. Task Forces report to the Senate for information and also on their own behalf to the general public and appropriate public authorities.

Task Force on the Extension Function

Purpose: To prepare a pilot report, with the cooperation of selected faculties or departments, about the nature,

extent, and potential of their extension activities outside the Department of Extension.

Meetings: At call

Membership:

M Shaw (Chairman)

B Eisen

D Janzen

J Johnston

M Parker

HW Roberts

H Verdin

Task Force on Native Students

Purpose: To gather information about the situation of Natives in relation to The University of Alberta. In particular, it would attempt: (a) to discover more information about treaty and non-treaty Native students who are presently at The University of Alberta including number, origin, attitudes, and difficulties; (b) to determine the subsequent history of Native graduates of The University of Alberta; (c) to gather information about what is done for Native students at other universities (The University of Calgary for instance, appears to have a support network and a responsive program); (d) to discover the reasons for the apparent differences between the record of Alberta in educating Native Students at the university level and that of comparable provinces.

Meetings: At call

Membership:

R Jamha (Chairman)

J Cahill

JR Kandler

MG McCannell

V Crowchild

C Urion

B Eisen

Task Force on University Legislation

Purpose: To review all matters relating to the changes in The Universities Act.

Meetings: At call

Membership:

B Burgess

L Desrochers

KG Johnson

DE Lewis

N Reimer

G Tuttle

H Verdin

Senate Committee on Dental Service to Rural Areas

Purpose: To determine the propriety as well as the potential within the Senate of taking action with regard to improving dentistry service in rural communities.

Meetings: At call

Membership:

R Calhoun (Chairman)

R Dalby

HK Hanson

T Scrambler

D Searle

Senate Committee on the Management Advisory Institute

Purpose: To convene a public hearing on the matter with representatives from the Faculty of Business Administration and Commerce, the Chamber of Commerce, the Canadian Association of Management Consultants, the business consultants who have written to the Board, students (general and Faculty) and others who may be interested, for an expression of views to the Board.

Meetings: At call

Membership:

RN Dalby (Chairman)

J Forest

E Lewis

H Spelliscy

STANDING COMMITTEES OF THE PRESIDENT

Archives Committee

Purpose: (1) To establish and maintain an archives procedure within the University; (2) to maintain liaison between the University and other bodies concerned with the preservation of archival materials.

Meetings: At call

Membership:

LH Thomas (Chairman)

RA Burwash

AD Cairns

MR Lupul

BB Peel

S Stinson

J Toogood

Two student representatives

J Parker (Secretary)

[Two members to be elected]

Reports: Reports annually

Centre for the Study of Mental

Retardation—Advisory Committee

Purpose: The function of the Advisory Committee is to meet with the Director and other members of the Centre staff to discuss and approve projects and policies of the Centre for the Study of Mental Retardation.

Meetings: At call

Membership:

Director of the Centre, JP Das (ex officio)

GWR Walker (Genetics) (6/1976)

R Fahey (Rehabilitation Medicine) (6/1976)

LT Shorter (6/1977)

AR Stewart (6/1977)

L Whyte (Educational Psychology) (6/1977)

B Dick (Campus Development Office) (6/1977)

EW Gauk (6/1978)

K Grierison (6/1978)

H Jacobs (6/1978)

G Monckton (Chairman) (Neurology) (6/1978)

LD Nelson (Elementary Education) (6/1978)

Reports: No regular reports

Convocation Committee

Purpose: To deal with all matters pertaining to the actual Convocation and Registration Week ceremonies in accordance with established policy.

Meetings: As required, generally twice a year, before Spring and Fall Convocations

Membership:

SG Davis (Chairman)

JW Bilsland

PH Bouthillier

WAD Burns

RA Burwash

AD Cairns

SG Geldart

D Goodale

LP Morgan

J Nicol

EW Ratsoy

Reports: No formal reports

CUSO Committee

Purpose: To supervise and co-ordinate the affairs of the Canadian University Service Overseas on this campus and in the Edmonton area.

Meetings: At call of Chairman

Membership:

[open to anyone who is interested]

G Kupfer (Sociology) (Chairman)

C Burkard (Student Affairs) (Secretary)

R Groberman (Acting Dean of Students)

LP Apedaile (Agricultural Economics)

A Hamilton

L Tan

B Schmidt

L Goon

F Belyea

M Armstrong

R Thomas

T Edge

A Shugg

J Devaney

B Gibson

E Boychuk (Librarian)

D Chiasson

Reports: To the Council on Student Affairs

Emergency Planning Committee

Purpose: To prepare (and periodically to scrutinize and, if necessary, revise) plans for action on the campus in the event of a physical emergency or disaster; to submit these plans (or revisions) to the President for approval; to acquaint those on the campus with the general plans, as directed by the President.

Meetings: At call

Membership:

GA Bulat, Acting Director of Physical Plant

CA Breakey

PL Freeman

Representative of AASUA, R Bercov

Representative of Director of University Health Service

Representative of Students' Union

WAD Burns (Secretary)

Reports: No regular reports

General Research Grants Committee

Purpose: Administration of the General Research Fund from which grants-in-aid of research are made to members of the academic staff of the University.

Meetings: At call

Membership:

WM Schulz (Chairman)

Vice-President (Academic), M Horowitz

RJ Buck

HF Clifford

D Baker

D Nash

RB Wilberg

GA Holmes (Secretary)

Reports: Minutes of meetings and annual report to the President at the end of the fiscal year

Medical Research Grants Committee

Purpose: To receive applications for, and to recommend to the President, approval of grants for medical research.

Meetings: First week in June and September 15

Membership:

P Beck (Chairman)

DF Cameron

FB Cookson

RS Fraser

HT Williams

DC Secord

B Snell (Executive Director)

RB Stein

OG Thurston (Secretary)

Reports: Following each meeting

Patents Committee

Purpose: To administer the matter of patents applied for by members of the staff of The University of Alberta under arrangements made with Canadian Patents and Development Limited and The Research Corporation.

Meetings: At call

Membership:

HE Gunning (Chairman)

FV MacHardy

DL Flock

ER Shedden

GA Holmes (Secretary)

Reports: No regular reports

Purchases of Major Equipment Committee

Purpose: To negotiate in the purchase of items which may be considered major equipment.

Meetings: At call

Membership:

RA Bennett (Chairman)

WH Jopling

KB Newbound

RE Phillips

AT Robertson

Additions to the Committee for a particular purchase:

The requisitioner and his nominee. Additional nominees of the Chairman.

Reports: No regular reports

Radiation Control Committee

Purpose: To review and approve on behalf of the Board of Governors all non-human uses of radio-active materials and to establish and administer a radiation safety program for the University including University components of the Health Sciences Centre.

Meetings: At call

Membership:

AA Noujaim (Chairman)

LG Stephens-Newsham (Acting Chairman)

GR Freeman

PG Heslip

DJ Mackenzie

RE Phillips

KL Roy

WC Olsen

SE Hunt (Secretary)

Radiation Research Committee

Purpose: To assume responsibility for the interdepartmental development of facilities for sources of radiation, such as the 2MEV Van de Graaff, and for the co-operative development of radiation research.

Meetings: At call

Membership:

GR Freeman (Chairman)

GC Neilson

TR Overton

RF Ruth

LG Stephens-Newsham

RC von Borstel

EH Pinnington (Secretary)

Reports: No regular reports

Recreational Use of the Physical Education and Recreation Centre Committee

Purpose: To review the recreational needs of the students and faculty as they affect the scheduling of free time in the Physical Education Building, and to establish policy as to the building's use during periods not scheduled for regular classes.

Meetings: At call

Membership:

HJ McLachlin (Chairman)

AA Ryan

SR Sinclair

M Aarbo

H Samoil

M Fisher

D Mitchell

T Sharon

E Zemrau (Secretary)

Reports: No regular reports

Social Research Committee

Purpose: To formulate policy for studies in the social field involving interdisciplinary research, with special responsibility for co-ordinating such studies; to solicit for funds where appropriate on behalf of approved projects, and to serve as the contact source for off-campus inquiries.

Meetings: Usually once during the first term, plus special meetings as necessary

Membership:

President, HE Gunning

RE Baird

S Greenhill

B Rule

Reports: No regular reports

Student Employment Committee

Purpose: To act as a liaison between the University and the Canada Manpower Centre on the campus.

Meetings: At call

Membership:

L Henderson (Chairman)

AJ Anderson

WT Andrew

AJB Hough

A Ostapovitch

Students' Union Representative

GB Reschenthaler

SH Simonds

WC Wonders

E Block

IP Morgan (Secretary)

Reports: Reports annually to the President

Technical Services Committee

Purpose: (1) To establish policy; (2) to make expert technical services available to all departments of the University without unnecessary duplication of facilities, and at reasonable cost.

Meetings: At call

Membership:

WF Allen (Chairman)

DG Bellow

G Roy

WH Jopling (Secretary)

Reports: No regular reports

Theoretical Physics Institute Executive Council

Purpose: (1) To make official regulations; (2) to recommend the appointments of permanent members; (3) to recommend the appointment of the Director; (4) to approve the annual budget; (5) to deal with any other matters related to the welfare of the Institute.

Meetings: At call

Membership:

Ex Officio

President or his designee, WF Allen (Chairman)

Director of the Institute (Secretary)

Dean of Science

Dean of Graduate Studies

Chairman of Mathematics

Chairman of Physics

Permanent members of the Institute

Reports: No regular reports

University Animal Policy Committee

Purpose: To determine policy and advise the President on all aspects of experimental animal care, housing, and use within the University.

Meetings: At call

Membership:

President or his designee, WF Allen (Chairman)

Chairman of Biosciences Animal Policy Committee,

DW Westlake

Chairman of Health Sciences Animal Policy Committee,

ARP Paterson

Chairman of Faculty of Agriculture Animal Policy Committee, GW Mathison

Director of Health Sciences Animal Service, DC Secord

Acting Director of Biosciences Animal Service,

J Bouvier

E Empey

CG Hampson

Reports: No regular reports

University Safety Committee

Purpose: To promote safety for the well-being of students, staff, and the public while on the campus.

Meetings: At call

Membership:

J Kuspira (Chairman)

Safety Officer, EM Doerkson

JB Caunt

B Dick

JA Eddington

JC W Gates

DJ MacKenzie

WR Mailo

WH Fearon

RE Phillips

P Arnold

Reports: Annually

DEANS' COUNCIL

Deans' Council

Purpose: The Deans' Council is an advisory body to the President, the Board of Governors, and General Faculties Council, and has such powers, duties, and functions as may be delegated to it.

Meetings: Third Wednesday in the month

Membership:

President, HE Gunning (Chairman)

Provost, AA Ryan

Vice-President (Academic), M Horowitz

Vice-President (Finance and Administration), LC Leitch

Vice-President (Planning and Development), RE Phillips

Registrar, AD Cairns

Dean of Agriculture and Forestry, JP Bowland

Dean of Arts, RG Baldwin

Dean of Business Administration and Commerce, EJ Chambers

Dean of Collège Universitaire Saint-Jean, F McMahon

Dean of Dentistry, J McCutcheon

Acting Dean of Education, F Enns

Dean of Engineering, G Ford

Dean of Graduate Studies and Research, JR McGregor

Acting Dean of Law, FA Laux

Dean of Medicine, DF Cameron

Dean of Pharmacy and Pharmaceutical Sciences, MJ Huston

Dean of Physical Education, HJ McLachlin

Dean of Science, DM Ross

Director of Household Economics, EL Empey

Director of Library Science, MEP Henderson

Director of Nursing, RE McClure

Dean of Extension, CM Lockwood

Director of Rehabilitation Medicine, F Wilson

Secretary

J Nicol

Bookstore

Purpose: To advise on Bookstore policy.

Meetings: At call

Membership:

AA Ryan (Chairman)

JP Meekison

WE Harris

EW Buxton

Representative of AASUA

Representative of the Students' Union

Representative of Graduate Students' Association

General Manager of Students' Union

Director of Purchasing

Bookstore Manager, JC Malone (Secretary)

Reports: No regular reports

Graduate Assistance Policy

Purpose: (1) To assume responsibility for matters of policy with respect to: (a) the regulations under which Graduate Teaching, Graduate Research, and Graduate Service Assistantships are administered (b) the allocation of University controlled funds to graduate students; (2) to establish priorities for distribution of grants involving Graduate Research Assistantships, Graduate Service Assistantships, Intersession Bursaries, and Dissertation Fellowships, from a special fund in the budget of the Faculty of Graduate Studies and Research.

Meetings: At call

Membership:

Dean of Graduate Studies (Chairman)

Associate Dean of Graduate Studies

R Nursall

BW Wilkinson

JS Kennedy

GL Mowat

JJ Richter

3 graduate students

Administrator of Student Awards

Graduate Registrar, HR Hawes (Secretary)

Reports: To the Deans' Council and the President summarizing the use of funds and the relation between availability of and demands for funds

Student Counselling Services

Purpose: To act as an Advisory Committee to the Student Counselling Services

Meetings: At call

Membership:

Dean of Education

Provost

Director of University Health Service

Dean of Arts

Dean of Science

Dean of Engineering

Chairman, Department of Psychology

Chairman, Department of Educational Psychology

Two representatives of Students' Union

Director of Student Counselling Services, AJB Hough (Secretary)

Reports: Annually, in the spring

University Health Service

Purpose: To provide all full-time students with a comprehensive program of health care and supervision.

Meetings: November, February, and April

Membership:

HJ MacLachlin (Chairman)

S Greenhill

LC Gridsale

Director of University Health Service

Director of Student Counselling Services

Two representatives of Students' Union

Representative of Graduate Students' Association

Director of Housing and Food Services

Comptroller, MA Rousell (Secretary)

Reports: No regular reports

University Student Loan Fund

Purpose: To administer the University Student Loan Fund.

Meetings: At call

Membership:

Administrator of Student Awards, L Henderson (Chairman)

KB Newbound

AS Knowler

Representative of Students' Union

Reports: Annually

STANDING COMMITTEES OF THE COUNCIL OF THE FACULTY OF GRADUATE STUDIES AND RESEARCH

Graduate Student Scholarship

Purpose: To make the awards of all scholarships restricted to graduate students who are or will be enrolled in graduate programs at The University of Alberta.

Meetings: At call

Membership:

SB Woods (Chairman)

Dean of Graduate Studies and Research, JR McGregor

Associate Dean of Graduate Studies and Research,

J Forster

RD Bercov

WP Skoropad

HAK Charlesworth

KJ Hutchison

RG Glassford

RE McKown

PH Bouthillier

U Trumpener

H Zingle

Reports: No regular reports

Interdisciplinary and Multidisciplinary Studies

Purpose: To recommend to the Council of the Faculty of Graduate Studies and Research, policies and procedures to be followed in the assessment, development, and administration of inter- and multidisciplinary graduate studies.

Meetings: At call

Membership:

GB Walker (Chairman)

Dean of the Faculty of Graduate Studies and

Research, JR McGregor

J Forster

WA Fuller

GA Holmes

S Hunka

RB Stein

Post-Doctoral Fellowships

Purpose: To administer the Post-doctoral Fellowship Program.

Meetings: At call

Membership:

JR McGregor (Chairman)

H Baadsgaard

A Buse

JS Colter

WG Corns

BL Evans

TM Nelson

DB Robinson

HR Hawes (Secretary)

Reports: No regular reports

Academic Appeals

Purpose: To hear and decide appeals against rulings (excluding marks given in individual courses and all examination results emanating from the Faculty of Graduate Studies and Research) of Departments or the Dean's Office on transfer from one program to another, admission from another faculty of the University, continuation in a program, graduation, and withdrawal.

Membership:

JP Meekison (Chairman)

TW Manning

A MacKay

BM Smith

GL RaRoi

J Chambers

JS Kennedy

J Gorton

K McDonell

L Mullin

STUDENT ORGANIZATIONS

Students' Council

Purpose: To administer the affairs of the students at the University including the development and management of student institutions, the development and enforcement of a system of student law, and the promotion of the general welfare of students, consistent with the purposes of the University.

Meetings: Every second Monday

Membership:

President, G Leadbeater
Executive Vice-President, B Mason
Vice-President (Academic), J Bothwell
Vice-President (Finance and Administration), G Borys
Vice-President (Services), T Sharon
Speaker, K Gillespie
Representative of Agriculture and Forestry,
L Zoeteman (3/1976)
Representative of Arts, R Cooper (3/1976)
Representative of Business Administration
and Commerce, G Nelson (3/1976)
Representative of Dentistry, M Irwin (3/1976)
Representatives of Education, R Zetson,
G Hansen
Representative of Engineering, H Kuehne (3/1976)
Representative of Household Economics,
C Linneberg (3/1976)
Inter-Residence Council Representative,
I Robinson (3/1976)
Representative of Law, J McGhie (3/1976)
Representative of Library Science, M Woods (3/1976)
Representative of Medical Laboratory
Science, B Mellon (3/1976)
Representative of Medicine, K Ghali (3/1976)
Representatives of Nursing, D Yochim,
K Martin (3/1976)
Representative of Pharmacy and
Pharmaceutical Sciences, R Biollo (3/1976)
Representative of Physical Education,
G Hunt (3/1976)
Representative of Rehabilitation Medicine,
J Buchanan (3/1976)
Representative of Science, P Drabble (3/1976)
President of Men's Athletics, M Fisher (3/1976)
President of WAA, D Mitchell (3/1976)

Graduate Students' Association

Purpose: (1) To provide for the administration of the affairs of the graduate students; (2) to promote the general welfare of graduate students; (3) to serve and further the intellectual, cultural, social, and recreation activities of the graduate students; (4) to provide official representation for graduate students within and without the University.

Meetings: Second Tuesday of each month (General Council meeting)

Membership:

President, J Girton (3/1976)
Vice-President (External), A Ashman (3/1976)
Vice-President (Internal), J Hawkins (3/1976)
Secretary, N Gee (3/1976)
Treasurer, G Brennan (3/1976)
Representative to GFC, B Atkinson (3/1976)
Representative to Senate, J Moodie (3/1976)
Representative to Board of Governors,
J Girton (3/1976)
Reports: Annually to the Council on Student Affairs

UNIVERSITY STAFF ORGANIZATIONS

Association of the Academic Staff of The University of Alberta, Executive Committee

Purpose: To foster academic fraternity among the members of the Association; to protect the independence and freedom of teaching, of thought, and of research within the University; to advance and protect the interests and welfare of its members as individuals and as a group.

Membership:

President, RD Bercov
Past President, GR Davy
Vice-President, L Eberlein
Executive Secretary, G Unger
Secretary-Treasurer, RBJ MacNab
Chairman, Salary Committee, M Veeman
Chairman, University Government Committee,
CR Wilson
Chairman, Budget Review Committee, R Coutts
Chairman, Academic Welfare Committee, TL Powrie
Chairman, Economic Benefits Committee, W Mis

Council:

P Prestwich
GR Davy
GS McCaughey
CR Wilson
G Reschenthaler
WJ Simpson
P Dranchuk
L Smillie
G Tannahill
RBJ MacNab
R Coutts
DGW Smith
S Brintnell
L MacPherson
A Cairns
TL Powrie
E Jacobs
I Carmichael
W Mis
T Rolstov
S Carey
M Veeman
G Roy
P Watts
D Faryon
E Richards
JG Wright
O Thurston
R Bercov
I Eberlein

Reports: No regular reports

The University of Alberta Non-Academic Staff Association

Purpose: To encourage the education, training, skill, and efficiency of members of the non-academic staff of The University of Alberta; to promote and safeguard harmony between The University of Alberta Administration and the members of the Association; to unite the members of the Association for their mutual improvement socially, mentally, and physically, and for their protection and common interest and individual welfare, without discrimination; to bring about united action and to act on any matter or issue of common interest to the members of the Association.

Meetings: Annual and fall general meetings; departmental representative meetings, every second Tuesday; executive, weekly

Executive:

President, D Tomlinson
Vice-President, F Austin
Treasurer, J Kurie
Secretary, M Welychko

Constitution Chairman (vacant until Fall General Meeting 29/10/75)

Grievance Chairman, H Easy
Chairman, Events Committee, G Tremblay
Chairman, Sports Committee, D Nolin
Chairman, Insurance Committee, L Miles
General Executive Secretary, P Arnold

Reports: Monthly to the Departmental Representatives Council and twice yearly to the NASA members at the Annual Meetings

(Continued from page six)

History, attended the XIV International Congress of Historical Sciences which was held in San Francisco from August 22 to 29. In mid-June, Professor Liebel-Weckowicz presented a paper on the balance of power politics in the Baltic and Germany in the 18th century at the Third International Baltic Congress in Stockholm.

■ Douglas W. Oldenburg, who presently holds a Killam Post Doctoral Fellowship in the Department of Physics, has recently been informed that he has won the prize for the best PhD thesis submitted at the Scripps Institute of Oceanography by a graduating PhD candidate.

■ E.R. Kanasewich, Assistant Chairman of the Department of Physics, left on October 17 for a three-week visit as guest of the Academy of Sciences, Peking, Peoples Republic of China. He is one of five members of a Canadian delegation of geophysicists who are returning the first visit made to Canada by a group of Chinese seismologists. Dr. Kanasewich will discuss his impressions of China and Chinese seismology at a lecture in the Physics Department in January.

■ Manoly Lupul, Professor of Educational Foundations, will be honored with a 1975 Alberta Achievement Award.

■ Bernard Schwartz, Associate Professor of Elementary Education, has had his program with children in visual communications using still photography reviewed in the current issue of *Popular Photography* (October 1975). The article, "Critical Focus: A School to Show Kids How to See," by Kenneth Poli, resulted from Mr. Poli's visit to observe the program in action at the Banff School of Fine Arts.

■ John King-Farlow, Professor of Philosophy, addressed the Philosophy Club of the University of New Orleans after attending administrative meetings of the Learned Societies in Quebec City, the Canadian Philosophy Association's Executive in Toronto, and the *Philosophy Research Archives'* Editorial Board in New York.

NOTICES

UNIVERSITY MAIL DROP DURING POSTAL STRIKE

In view of the current postal strike, an emergency mail drop has been installed at the University of Alberta. Persons residing in Edmonton and the surrounding area who wish to address mail to any office or department on the campus may use the off-hours mail slot located in the southeast door of the Administration Building, 89 Avenue and 114 Street. The University's regular hours of operation are 8:30 a.m. to 4:30 p.m.

The mail will be collected, sorted, and distributed daily. Parcels will not be accepted at the mail drop.

GENERAL FACULTIES COUNCIL COMMITTEE VACANCIES

The GFC Nominating Committee is seeking nominations for the following committee vacancies:

1. Selection Committee for Dean of the Faculty of Science—Nominations required for two members, who must not be members of the faculty concerned.

2. Selection Committee for Chairman of the Department of Art and Design—Nominations required for one member, not a member of the department concerned.

3. Committee to Investigate Teaching—A vacancy exists for one academic staff member.

4. Special Sessions Committee—A vacancy exists for one academic staff member.

5. Art Works Committee—One graduate student member required.

Persons who have suggestions for nominations or who are interested in serving on any of the above committees are requested to contact the Secretary of the Nominating Committee, Mrs. P. Campbell, 2-1 University Hall, phone 432-4965, by November 6, 1975.

NOBORU KUBO CERAMIC WORKSHOP

Noboru Kubo will give a ceramic workshop at the University Faculty of Extension on November 7, 8, and 9. The workshop will include demonstrations of wheel techniques, hand building, trimming, finishing, decorative techniques, a slide show, and open discussion. Registrations are being accepted in 228 Corbett Hall. For further information, telephone 432-3034.

CAMPUS LAW REVIEW COMMITTEE

The Campus Law Review Committee will meet on November 6 at 11 a.m. in 3-15 University Hall. The members will be discussing procedures for Discipline Law and Order Tribunals. Submissions can be sent to the Secretary, 3-22 University Hall.

CONFERENCE FUNDS COMMITTEE

The chairman of the Conference Funds Committee for 1975-76 is K. Allen Neufeld. Please direct all correspondence to the following address: Dr. K. Allen Neufeld, Chairman, Conference Funds Committee, Department of Elementary Education.

ACADEMIC WOMEN'S ASSOCIATION

The next meeting of the AWA will be held on Wednesday evening, November 5, in the Faculty Club. Dinner at 5:30 p.m.; program at 7 p.m.: excerpts from the TV series "You Can Too!: Profiles of Career Women." All women employed as part-time or full-time academic staff, sessional instructors, librarians or APOs are welcome to attend. For member-



On Thursday, November 6 at 8 p.m. in the Students' Union Theatre, the Friends of the University of Alberta present the 1975 Henry Marshall Tory Lecture. This year's lecture will be delivered by S.M. Hodgson, Commissioner of the Northwest Territories. Mr. Hodgson's lecture is entitled "Developing countries on the polar seas." The talk will be followed by a question and discussion period. The Tory lecture is open to the public and is free; refreshments will be served.

ship and dinner reservations, please contact Ros Sydie, Department of Sociology, 4-27 Tory Building, phone 432-5853.

MULTI-CULTURAL FESTIVAL

The Hindu Society of Alberta and Alberta World Reflections jointly present a Multi-cultural Festival, November 1 to 4 at the Jubilee Auditorium. On Saturday, November 1 from 8 p.m. to 11 p.m. there will be a performance of music and dance by a number of ethnic groups: Chinese, (east) Indian, German, Philippino, Polish, Scottish, Ukrainian, West Indian, and others. Admission to this performance is \$1, \$1.50, or \$2; tickets are available at HUB, all Woodward's outlets, and Bonnie Doon.

On Saturday, November 1 from 2 p.m. to 7 p.m., Sunday, November 2 from 2 p.m. to 6 p.m., and Monday and Tuesday, November 3 and 4 from 10 a.m. to 3 p.m. there will be a display of arts, crafts, jewellery, costumes, stamps, books, and similar items. Admission is free.

A series of slides and films provided by various ethnic groups will be shown on November 1 from 2 p.m. to 7 p.m., and on Monday and Tuesday from 10 a.m. to 3 p.m. Admission is free.

On November 1 from 2 p.m. to 7 p.m. and on Sunday from 2 p.m. to 5:30 p.m. there will be an international food bazaar consisting of a wide variety of quality ethnic dishes at modest prices.

On Sunday from 2 p.m. to 6 p.m. a Festival of Lights will be presented, a celebration of Hindu New Year's Day. Part of this celebration will consist of a classical dance ballet performed by Menaka Thakkar and R. Thakkar of Toronto. Admission is a silver collection.

More information about this multi-cultural festival can be obtained by phoning 433-1576.

THIS WEEK AND NEXT

Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred.

30 OCTOBER, THURSDAY

French Film

12:30 p.m. *Pascal Portrait Souvenir*. Theatre Room, 17 Arts Building. Admission free.

Entomology Seminar

4:30 p.m. "The Case of the missing mandible and other mysteries: embryogenesis in *haplothrips verbasci* (thysanoptera)" by B.S. Heming. 62 Athabasca Hall (basement).

Gallery Cinema

7:30 p.m. *Return from Africa* (Switzerland, 1973). Directed by Alain Tanner, starring Francois Marthouret and Josee Destoop. Downstairs, Edmonton Art Gallery. Admission \$2.

Public Lecture

8 p.m. The Alberta Geographical Society presents a lecture entitled "The Future of Iceland: environmental changes and their effects on settlement" by Edgar Jackson, Assistant Professor of Geography. LB 2 Tory Building.

31 OCTOBER, FRIDAY

Soccer

The University hosts the Canada West Soccer Championships. Main Field.

Faculty Club

Downstairs. "Fright Night." Baked ham, sweet potatoes, squash, pumpkin pie. \$3.75. Costumes welcome; wholesale beer for costume wearers (over 18). Entertainment: The Echoes. *Upstairs*. Regular dinner menu. Reservations required.

Student Cinema

7 p.m. and 9:30 p.m. *Blazing Saddles* (United States, 1974). Directed by Mel Brooks, starring Gene Wilder, Cleavon Little, Madeline Kahn, and Harvey Korman. Tickets \$1 advance from the Students' Union Box Office in HUB Mall, or \$1.50 at the door.

Gallery Cinema

7:30 p.m. *The Visitor* (Canada, 1973). Directed by John Wright, starring Pia Shandrel

and Eric Peterson. Downstairs, Edmonton Art Gallery. Admission \$2.

Wrestling

7:30 p.m. The U of A versus Lakehead University. Main Gymnasium.

Hockey

8 p.m. The Golden Bear Hockey Tournament takes place in the Varsity Arena.

Halloween Dance

8:30 p.m. A Caribbean students' Halloween Dance at Villa Vesuvius, 114 Avenue and 95 Street with music by the Tropical Playboys and the Caribbean Express Steel Band.

1 NOVEMBER, SATURDAY

Soccer

The University hosts the Canada West Soccer Championships. Main Field.

Faculty Club

Downstairs. "Patio Grill." Steaks \$5.50, hamburgers \$2.85, with salad buffet. *Upstairs*. Regular dinner menu; reservations required. Entertainment: Vern Hittinger Trio.

University Concert Hall

And every Saturday. 6:45 p.m. A radio program of music from The University of Alberta on CKUA AM and FM.

Student Cinema

7 p.m. and 9:30 p.m. *Blazing Saddles* (United States, 1974). Directed by Mel Brooks, starring Gene Wilder, Cleavon Little, Madeline Kahn, and Harvey Korman. Students' Union Theatre. Tickets \$1 advance or \$1.50 at the door.

Hockey

8 p.m. The Golden Bear Hockey Tournament takes place in the Varsity Arena.

2 NOVEMBER, SUNDAY

Gallery Cinema

2 p.m. *Mississippi Mermaid* (France, 1970). Directed by Francois Truffaut, starring Jean-Paul Belmondo and Catherine Deneuve. Downstairs, Edmonton Art Gallery. Admission \$2.

Hockey

2:30 p.m. Golden Bear Hockey Tournament. Varsity Arena.

'In Touch with U'

And every Sunday. 3 p.m. A program to introduce the University to the community at large. CITV channel 13, cable 8.

Student Cinema

7 p.m. and 9:30 p.m. *Doctor Zhivago* (United States, 1965). Directed by David Lean, starring Omar Sharif, Alec Guinness, Julie Christie, and Ralph Richardson. Students' Union Theatre. Tickets \$1 advance or \$1.50 at the door.

Engineering Symposium

7:30 p.m. "Engineering education and social responsibility: the state of the art" by Henry Knepler. "Dimensions of social responsibility in large-scale resource development: a case presentation" by Brian Bourke. 2-1 Mechanical Engineering Building. Open to the public; admission free.

3 NOVEMBER, MONDAY

Engineering Symposium

7:30 p.m. "Our neighborhood: global interconnections" by Lewis Perinbaum. "Perspectives of a social ethicist" by Howard Mills. 2-1 Mechanical Engineering Building. Open to the public; admission free.

Edmonton Film Society

8 p.m. *Wedding in Blood* (France, 1974). Directed by Claude Chabral, starring Stephan Audran and Michel Piccoli. Students' Union Theatre. Regular membership \$14; students and senior citizens \$12.

4 NOVEMBER, TUESDAY

Biology Seminar

4:30 p.m. "Palaeoecological integration: insects and plants" by John Smart of the University of Cambridge. 345 Agriculture Building.

Engineering Symposium

7:30 p.m. A panel discussion on "Social responsibility in the engineering enterprise." 2-1 Mechanical Engineering Building. Open to the public; admission free.

5 NOVEMBER, WEDNESDAY

Population Studies Seminar

3 p.m. "Attitudes towards illegitimacy in Alberta" by Susan McDaniel. Department of Sociology. T5-15 Tory Building.

Student Cinema

7 p.m. and 9:30 p.m. *Women in Love* (Great Britain, 1969). Directed by Ken Russell, starring Alan Bates, Glenda Jackson, and Oliver Reed. Students' Union Theatre. Tickets \$1 advance or \$1.50 at the door.

Lecture

7:30 p.m. "Third world textiles" by Anne Lambert, Assistant Professor of Household Economics. Music Room, Centennial Library. Admission free.

Winter Camping Course

7:30 p.m. Winter camping lecture (part 2), sponsored by Alpine Club of Canada. V-Wing, room V-111. Avoidance of hazards such as avalanches and frostbite stressed. Everyone welcome. Admission free.

Canadian Authors Series

8 p.m. W.O. Mitchell will give a reading from

his works at the Cromdale Campus of Grant MacEwan Community College, 8020 118 Avenue. Open to the public; admission free.

6 NOVEMBER, THURSDAY

Biology Seminar

4:30 p.m. "The Gallery of the horned god: animals in primitive and ancient art" by D. Davenport of the University of California, Santa Barbara. CW 410 Biological Sciences Building.

Gallery Cinema

7:30 p.m. *The Ceremony* (Japan, 1971). The first of a four-film Japanese series. Tickets for the series are \$5; single admissions \$2. Downstairs, Edmonton Art Gallery.

Tory Lecture

8 p.m. The Friends of the University present S.M. Hodgson, Commissioner of the NWT, delivering the 1975 Henry Marshall Tory Lecture on "Developing countries on the polar seas." Open to the public; admission free.

Concert

8:15 p.m. The Edmonton Overture Concert Association presents the Jose Molina Bailes Espanol, a troupe of dancers, singers, and instrumentalists. Jubilee Auditorium. Season tickets at the Bay; adults \$15, students \$7.50, family \$37.50. Individual tickets available at the door before each concert at slightly higher prices.

7 NOVEMBER, FRIDAY

Faculty Club

Downstairs. "Buffet Canadien." Arctic char, wild rice, French Canadian tourtière, hip of beef, holubtsi, cranberry salad, and baked apple and cheese. \$5.50. Entertainment: Inez Blake.
Upstairs. Lobster \$11.50. Regular dinner menu; reservations required.

Student Cinema

7 p.m. and 9:30 p.m. *Phantom of the Paradise* (United States, 1974). Directed by Brian De Palma, starring Paul Williams. Students' Union Theatre. Tickets \$1 advance or \$1.50 at the door.

Basketball

7 p.m. Golden Bears versus the University of Manitoba. Main Gymnasium.

Hockey

8:30 p.m. Golden Bears versus The University of Calgary Dinosaurs. Varsity Arena.

8 NOVEMBER, SATURDAY

Faculty Club

Downstairs. "Home Cooking." Crusty meat loaf, madeira sauce, and fruit trifle. \$3.75.
Upstairs. Lobster \$11.50. Also regular dinner

menu; reservations required. Entertainment: Vern Hittinger Trio.

Student Cinema

7 p.m. and 9:30 p.m. *Phantom of the Paradise* (United States, 1974). Students' Union Theatre. Tickets \$1 advance or \$1.50 at the door.

Hockey

8 p.m. Golden Bears versus The University of Calgary Dinosaurs. Varsity Arena.

Edmonton Symphony Orchestra

8:30 p.m. The ESO conducted by Pierre Hétu with pianist Vasso Devetzi performs works by Beethoven, Bach, and Berkeley. Jubilee Auditorium. Tickets \$4, \$5, \$6, and \$7 from the Bay Box Office or the Symphony Box Office, phone 433-2020.

EXHIBITIONS AND PLAYS

Studio Theatre

Until 1 November. *The Cave Dwellers* by William Saroyan. Curtain times at 8:30 p.m. with a Saturday matinee at 2:30 p.m. Tickets are \$2.50 for non-students and free to students with ID cards, from 3-146 Fine Arts Centre.

Citadel Too

Until 1 November. *Compulsory Option* by Vancouver playwright Sharon Pollock. Curtain time 8 p.m. Tickets available from the Citadel Box Office, phone 424-2828. Regular admission \$3, students \$2.

Citadel Theatre

Until 29 November. *Dear Liar* by Jerome Kilty. Starring Dame Peggy Ashcroft and John Neville. Curtain times Tuesday through Saturday at 8:30 p.m.; Sunday performances at 2:30 p.m. and 7:30 p.m. Tickets available from the Citadel Box Office, phone 424-2828.

Northern Light Theatre

Until 14 November. *The Typists* by Murray Schisgal, a comedy set in a modern office. Curtain times Monday through Friday at 12:10 p.m.; with extra performances on Thursday and Friday at 1:10 p.m. Art Gallery Theatre. Admission \$1.50.

Edmonton Art Gallery

Until 31 October. "Edwin Holgate," an exhibition of works by one of the leading Montreal painters of the post-Group-of-Seven generation.
Until 31 October. "Alberta World Reflections," an exhibition of textile arts and crafts from Asia and the Middle East featuring kilims, ikats, and embroideries.
1 November. "Art Fair," an annual event organized by the Women's Society of the Edmonton Art Gallery to help raise funds for the gallery; on sale will be works by local



Mark Schoenberg

Judith Mabey as Nora in Theatre 3's production of Henrik Ibsen's *A Doll's House*. The play opens on November 4 and runs until November 15 at the Centennial Library Theatre. Curtain times are 8:30 p.m. Tuesday to Saturday, with Sunday performances at 2 p.m. and 7:30 p.m. Tickets are available from Theatre 3 at 426-6870, from all Bay outlets, and from the Students' Union Box Office in HUB Mall.

artists and craftsmen. From 10 a.m. to 6 p.m. 8 November to 1 December. "Art Deco," an exhibition of furniture and decorations in Art Deco, a modern streamline style which is the beginning of functionalism in design.

8 November to 8 December. "Sculpture by John Weaver," a display of large and small works on western themes by the artist who sculpted "The Stake" and "The Pronghorns" at the Provincial Museum.

Provincial Museum

Until 17 November. "Canadian Nature Art 1975," an exhibit of 41 Canadian landscape painters such as J.F. Lansdowne, Martin Glen Loates, and Clarence Tillenius.

Until 30 November. "North from Blatchford Field," an exhibition of photographs, engines, flight jackets, and equipment tracing the history of Edmonton's Industrial Airport. Feature Gallery 2.

Until 30 November. "The Decorative Arts of West Africa," a selection of decorative arts including carved wooden headdresses, masks, and items of bronze and earthenware. Feature Gallery 1.

Until 4 January. "Athapaskans," an exhibition of costumes, snowshoes, hunting and fishing equipment of the Chipewyan, Dogrib, Beaver, and other tribes. Feature Gallery 3.

Continuing. "Documentary Heritage," a long-term exhibition displaying valuable

manuscripts and documents in the Provincial Archives of Alberta. Archives Gallery.

Centennial Library

1 November to 30 November. A one-man show of paintings by Margaret Mooney. Foyer Gallery.

NON-CREDIT COURSES

MANAGING PROFESSIONAL AND TECHNICAL PERSONNEL

Donald S. Michels, a management consultant specializing in the design and implementation of management systems and organization growth will conduct a three-day seminar on "Managing professional and technical personnel" for the Department of Extension November 19 through 21.

Mr. Michels will be discussing ways to make the transition from a technical job to a managerial position less difficult by examining organization and individual plans, measuring results and appraising performance, overcoming the delegation problem, motivation and the professional employee, and implementing a management system. The seminar has been designed for manager or supervisor who directs the work of engineers, programmers, systems analysts or other professional personnel. As a consultant, Mr. Michels has designed and implemented management systems for many companies and government agencies such as

Borg Warner Corporation, Rosemount Inc., Environmental Research, Medtronics, Erie Mining Company, DuPont of Canada, Sun Oil Company, and Cardiac Pacemakers, Inc.

Registrations are accepted in Room 228, Corbett Hall, 82 Avenue and 112 Street. The fee is \$160 including luncheons on November 19 and 20 and all materials. For additional information, please call 432-5066 or 432-5067.

MANAGING INVESTMENTS

The facts and fascinations of investments and how to manage them profitably will be discussed in two Department of Extension courses entitled "Managing Investments" beginning Monday, November 17 and "Stocks, Bonds, and Other Investment Mysteries" beginning November 18. The latter course will be held during the afternoons. These courses have been designed for individuals who wish to learn the basic fundamentals of the stock market and other investment vehicles. The course will be taught by Murray B. Budd, Manager, Merrill Lynch, Royal Securities Limited Edmonton.

Brochures giving a full course outline are available by calling 432-5067 or 432-5066. Registrations are accepted in Room 228, Corbett Hall, 82 Avenue and 112 Street. Fees range from \$50 each for married couples in the evening course to \$65 for individuals and \$60 for the afternoon course.

MOTIVATING THE SALES FORCE

This intensive two-day program November 13 and 14 on motivating the sales force will be of particular interest to individuals presently in sales management or slated for managerial responsibilities of this type in the near future. Emphasis throughout the program will be on case discussions and group participation with the major purpose of the program to initiate an analytical approach to motivation.

The instructor will be W.A. Presling, Director of Institutional Research and Planning. Cost of the seminar is \$95. Further information can be obtained by calling 432-5066 or 432-5067.

VOCATIONAL SATISFACTION

The Department of Extension will be holding a one-evening seminar on Vocational Satisfaction Wednesday, November 5. The seminar has been designed for professionals who help others with vocational decisions and for individuals who are interested in discovering methods for examining the appropriateness of their own vocational choices. The instructor, George W. Fitzsimmons, Assistant Professor of Educational Psychology, will cover systematic approaches one may take in considering the factors involved in choosing or changing vocations.

The seminar will be held from 7 p.m. to

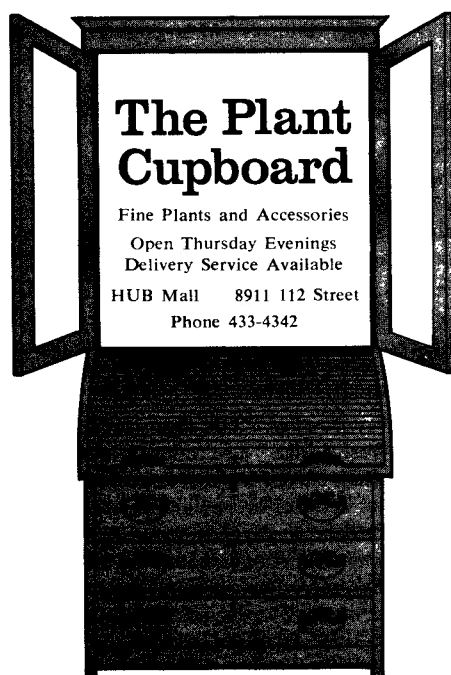
10 p.m. on November 5. Registrations will be accepted at the door 218, Corbett Hall, 82 Avenue and 112 Street. The fee is \$4. No preregistration is required.

GRANTING AGENCIES: APPLICATION DEADLINES

This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in *Folio*. In order to allow sufficient time for processing, all applications should reach the Research Grants and Contracts Office at least 10 days before the deadline date. Where other University resources are involved, the time requirement may be much longer than 10 days and such application should therefore be submitted well in advance. An extra copy of the application should be provided for the Research Grants and Contracts Office.

Further information may be obtained by consulting the *Calendar of Granting Agencies for Research Funds, Exchange Programs, and Travel Grants*, which is available in the offices of Deans, Directors of Institutes, Centres, and Schools, and Department Chairmen, or by phoning the Research Grants and Contracts Office, 432-5360. Note: Although the Calendar is updated on a continuous basis, the following information could be subject to change without notice. If staff members have advanced information on forthcoming changes, the Research Grants and Contracts Office would appreciate being advised. Code: (R) Research funds; (E) Exchange programs; (T) Travel grants

Calendar source number	Code	Granting agency	Deadline date
(10)	R	Agriculture Canada—Extra-mural Research Grants	Oct. 1
		Operating Grants	Dec. 15
(25)	R	American Philosophical Society	Dec. 26
			Feb. 20
			Apr. 23
			Aug. 20
			Oct. 22
(58)	E	Canada Council—Exchange Program with France	Dec. 1
(59)	E	Canada Council—Exchange Program with USSR	Dec. 1
(61)	R	Canada Council—Explorations	Dec. 1
			Mar. 1
			June 1
(90)	R	Canadian Tuberculosis and Respiratory Disease Association	Dec. 15
(100)	T	Commonwealth University Interchange Scheme	Dec. 15
(125)	R	Department of Energy, Mines, and Resources	Dec. 15
(130)	R	Environment Canada—Atmospheric Environment Service	Dec. 31
(150)	R	Department of Manpower and Immigration	Dec. 31
			Aug. 31
(275)	R	National Cancer Institute of Canada	Dec. 1
(310)	R	National Sanitarium Association	Dec. 1
(345)	R	Petroleum Research Fund, American Chemical Society	Dec. 1
			Mar. 1
			Sept. 1



GRADUATE SCHOLARSHIPS AND AWARDS

All enquiries on the following should be directed to L. Henderson, Administrator of Student Awards, 219 Central Academic Building.

National Research Council Graduate Scholarship
Value: \$5,000. Duration: one year; renewable in most cases. Where tenable: primarily in Canada. Field of study: Science and Engineering. Level of study: Master, PhD. Number: variable. Conditions: must be admissible to a graduate degree program. Closing date: in departments prior to November 14.

Commonwealth Scholarships
Canadian Commonwealth Scholarship and Fellowship Committee
Value: living and study costs of scholar during tenure of award plus travel expenses. Duration: two academic years. Where tenable: Jamaica—October 1976; Malaysia—May 1976; Australia—March 1977; Ghana—October 1976; India—June/July 1976; Nigeria—October 1976. Field of study: except for Australia, India, and Nigeria limited to facilities available. Level of study: graduate. Number: variable. Conditions: citizens of Canada; candidates must have graduated from a recognized university or hold equivalent qualifications; age limit normally 35; candidates must return to their own country upon completion of the study; good knowledge of written and spoken English is required. Closing date: November 28, 1975. Further information and application forms: should be requested from The Canadian Commonwealth Scholarship and Fellowship Committee, c/o The Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1.

Soroptimist Fellowship Award
Soroptimist Federation of the Americas, Inc.
Value: \$1,500. Duration: not stated. Where tenable: any university approved by the Fellowship Committee. Field of study: unrestricted. Level of study: graduate. Number: variable. Conditions: any female graduate or

graduating student in need of financial assistance to pursue any course of post-graduate study, providing that she is a resident in western Canada region including Manitoba, Saskatchewan, Alberta, British Columbia, Yukon, and North West Territories west of Hudson Bay. Closing date: December 1, odd number years. Further information and application forms should be requested from Mrs. M.R. Wells, 2516 Beach Drive, Victoria, B.C. V8R 6K4.

POSITIONS VACANT

NON-ACADEMIC STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly.

Clerk Typist II (\$505-\$627)—Computing Services (Operations); Extension; Music; Graduate Studies and Research; Classics; University Health Service
Clerk Typist III (\$576-\$713)—School of Library Science; Political Science
Clerk Steno II (\$527-\$653)—Physical Education; Extension; Mechanical Engineering
Clerk Steno II (part-time) (\$264-\$327)—Mathematics
Clerk Steno III (\$599-\$744)—Sociology; Physics
Clerk Steno III (trust) (\$599-\$744)—R.S.
McLaughlin Examination and Research Centre
Medical Steno (\$653-\$814)—Pediatrics; Psychiatry
Secretary (\$683-\$853)—Animal Science; Pediatrics; Earth Physics Institute
Dental Assistant (term) (\$551-\$683)—Dentistry
Bookkeeper II (\$599-\$744)—Physical Plant
Student Record Processing Clerk (\$627-\$779)—Office of the Registrar; Faculty of Arts
MT/ST Operator I (\$551-\$683)—Sociology
Duplicating Operator I (\$505-\$627)—Extension
Data Entry Operator I (\$599-\$744)—Computing Services
Data Entry Operator II (\$653-\$814)—Agricultural Economics and Rural Sociology
Senior Clerk (\$576-\$713)—Printing Services

Analyst (\$1,121-\$1,474)—Office of Administrative Systems
Technician I (\$713-\$891)—Pharmacy; Geology; Immunology; Household Economics
Programmer I (trust) (\$744-\$932)—R.S. McLaughlin Examination and Research Centre
Assistant to the Associate Director (\$1,118-\$1,406)—Office of the Registrar
Computer Operator I (\$744-\$932)—Computing Services
Storeman I (\$576-\$713)—Technical Services
Storeman I (three-quarter time) (\$432-\$515)—Art and Design
Ice Rink Attendant (\$653-\$814)—Physical Education
Technical/Administrative Assistant (\$853-\$1,068)—Romance Languages
Electronics Technician III (\$975-\$1,225)—Physics
Control Clerk (\$653-\$814)—Computing Services
Technician II (\$814-\$1,020)—Mineral Engineering
Technician III (\$932-\$1,171)—Mineral Engineering
Machinist Technician III (\$975-\$1,225)—Chemical Engineering
Dental Technician II-IV (\$932-\$1,543)—Dentistry
Dental Technician I (\$744-\$932)—Dentistry

The following is a list of currently available positions in the University Library. The bulletin board postings in the Library Personnel Office, 516 Cameron Library, should be consulted for further information as to position requirements and availability.

Library Clerk III (\$576-\$713)—Cataloguing
Library Clerk II (\$527-\$653)—Acquisitions

OFF-CAMPUS POSITIONS

Professor

Senior Lecturer/Lecturer
Department of Metallurgy
University of Witwatersrand

Applications are invited for the post of Chamber of Mines professor of Metallurgy. Candidates should have an established reputation in research and teaching primarily in the field of pyrometallurgy. A reasonable mathematical background with some degree of familiarity with computer modelling and control techniques would be desirable. Some practical experience in a responsible position in industry will be

University of Alberta Area Transportation Study

Attention residents of Windsor Park, Garneau, McKernan, Queen Alexandra, Park Allen, Allendale, and Belgravia The University of Alberta Area Transportation Study affects you.

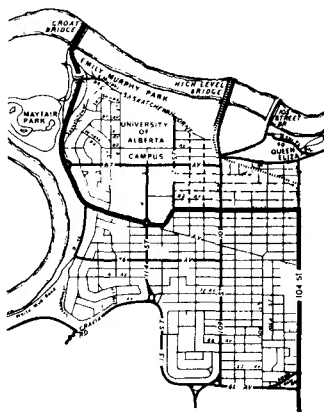
To become informed about the nature and purpose of the study, and to ask questions and make comments attend the Public Meetings being held in your area.

October 29, 8 p.m.
McKernan Elementary and Junior High School
11330 76 Avenue

October 30, 8 p.m.
Allendale Elementary and Junior High School
6415 106 Street

November 5, 8 p.m.
Mount Carmel Separate School
10524 76 Avenue

For further information contact:
Tom McCall
439-6391



Translators Required

A limited number of individuals who have a facility in the use of the sign language of the deaf are required in order to act as translators for students with hearing deficiencies. Hourly rates will be paid for services provided.

If interested, please contact the Student Counselling Services, Fifth Floor SUB, in person or by telephoning 432-5205.

a distinct advantage. The salary will be subvented by the Chamber of Mines of South Africa.

A new course in Minerals Process Engineering will be offered for the first time in 1976. A lecturer or senior lecturer is required to assist in this most important development. Applications from graduates who have had industrial or educational experience in any of the fields associated with the processing of minerals will be considered.

Salary will be within the following ranges: Professor—R10800-R13800; Senior lecturer—R8460-R11250; Lecturer R6300-R9198 (R1 equals \$1.20-\$1.30). The initial salary to be determined according to qualifications and experience.

Further particulars relating to the post and University policy can be obtained from the Registrar, University of Witwatersrand, Jan Smuts Avenue, Johannesburg, South Africa with whom applications should be lodged not later than November 30, 1975.

PERSONAL NOTICES

All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week, and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance. We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.

Accommodation available

For rent—January 1, 1976 to April 30, 1976, three-bedroom furnished home in Duggan. Family room, fireplace, attached garage, five appliances. \$500. References. 434-2236 after five.

Saskatchewan River view. 3½ acres, four bedrooms, living and family room, round fireplace; broadloom throughout; patio, attached garage and terrace. Immediate possession. 11 miles from Whitemud Freeway. \$95,000. 487-9156.

Thinking of selling your home? Today's real estate

market fluctuates. Make sure you receive top value. Call a professional. Call Ross Lizotte, Buxton Real Estate Ltd., 436-1140, 426-5880, extension 990.

For sale—Close to University, executive home in treed park-like setting. Three bedrooms, den, family room, games room, two bathrooms, two large wood-burning fireplaces, double front drive garage, good garden area and privacy. Principals only. 7125 119 Street. 436-4882.

For sale or rent—By owner. Grandview Heights. Executive home 1,870 sq. ft., large family room, one main and two half baths. Four-bedroom split-level with open beam cedar ceiling, fireplace, broadloom throughout, finished basement. On extra large lot, double garage; professionally landscaped. To view please call 435-4928 for appointment. Principals only please.

For sale—Lendrum, four bedrooms, 1,600 feet plus basement den, family room, laundry. Renovated; two fireplaces, new carpet. Three-car garage. Many extras. 434-6845.

For rent—Furnished house. 11631 75 Avenue. 467-5184.

For rent—opposite University, new two-bedroom furnished townhouse; two storeys and basement; attached front garage; fenced rear yard with trees; stove, fridge, dishwasher, garberator, washer-dryer. November 1 or December 1. \$400 per month. Damage deposit required. 436-2666, 436-6081.

For rent—Immaculate three-bedroom house. St. Albert. Occupancy November 15. Ideal for family. Double garage, huge treed lot. 439-3872, Stephen after six.

Accommodation wanted

Wanted to rent—Childless Swiss couple desire small house or 1-2-bedroom apartment within walking distance of University. December 1 occupancy. Phone Carroll Whitfield, 439-7801.

Wanted to rent—from December 1, small self-contained apartment by female staff member completing commitment following husband's transfer. Phone 432-7925 after six.

Automobiles and accessories

For sale—1974 Dart Swinger; excellent condition. \$3,500 or best offer. 439-7178.

Goods and services

Will type theses, manuscripts, etc. Experienced typist. Phone 459-5276.

HUB Beauty Salon—telephone 433-0240. Winner of award. \$40 perms now \$25. HUB mall.

Interesting low-cost tours for university scholars. Also round-trip excursions: geographers, historians and men and women with interest in world religions.

Kabul, Afghanistan, New Delhi. \$700 and up (cost of living less than \$5 a day). 429-1079 Indus Tours.

Peking, Shanghai food. Delicious, inexpensive. Simple surroundings. Shanghai House, 6525 111 Street. 435-7622.

Plumbing—For free estimates on basement bathrooms, repairs, gasfitting, etc. call 465-7079.

Custom dressmaking and designing. Call Jacqueline 433-4870.

Fencing classes—Boys and girls (10-16 years).

Saturdays, 10 a.m.-12 noon. Physical Education Building, West Gymnasium. Contact Tom Freeland, office 432-3365, residence 433-6584.

Services available—Research and documentation, proof-reading, editing, re-writing, photodocumenting, for all kinds of technical and research papers. Field and literature research and photographic documenting; library of photos; biological, some historic, ethnologic subjects, etc. For information telephone: Dr. Jim R. Salt, 439-0964.

Typing, fast, accurate service. Phone Georgina Campbell, 489-4810 evenings.

Wanted—parents interested in quality daycare.

McKernan Park Day Care, 11125 76 Avenue. Ages 3-5. 436-1823. 466-1508.

Typing: theses, dissertations, books. Will pick up and deliver to campus. 467-6201.

For sale—Manual typewriter with carrying case. 429-1394.

For sale—Ski equipment: wooden skis, 150cm; boots, Tyrol, size 3, 3M; Caber, size 10. Call 436-3485.

For sale—Must sell antique oak dining table, six original matching chairs; goat skin rugs, silver-smithing hand caster. Many other items. 439-7503.

Anyone interested in joining amateur madrigal or instrumental group, please phone 432-5095, daytime.

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We offer the best in equipment, qualified staff, and delightful surroundings, including an equipped playground. Our materials and programs are varied . . . everything from co-op cooking to the latest in mathematical equipment. Best of all, we offer a warm, friendly atmosphere where your child will feel right at home.

Our program is for children 2½-6 years

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For more information please phone Anne Kashani (Director) 462-2502 or 436-1809



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